18" prof. prof. 2011 from the first first the first from the first from the first from the first from

		Ratios ov	Ratios over Background	na d	Composicons	9
Clone	Continue		ri Dathgior	5 ⁽	Compar	SILIS
	ochnence.	F-138	E-1ag IGFSK IK	¥	IGFRIR IRIGFR	IRIGFR
Design	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	•	!	;	i i	;
R40-3-40B2-IR	IRDMHYVWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID	40.3	40.3 9.0	2.0	4 5 0 2	0
R40-4-40B12-IR	RMGI,OAI,AHYRKSAGPTFI,SSGSVTKGSFGNPFVAWFPTO	7 03				
	NI N	7 .00		7.0	٠. م	7.0
K40-4-40G11-1K	MPVSLFRRVWDYRDGEHETLESHYVVPQAALDRLFYSWFS	52.6	52.6 37.5	2.0	2.0 18.8	0.1

Figure 1A

		NATIOS OF	Natios over Dackground	3	Comparisons	ISOUS
Clone	Sequence	E-Tag	E-Tag IGFSR IR		IGFR/IR IR/IGFR	IR/IGFR
Design	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		;	;	;	;
R40-3-D5-IGFR	PLYGGGIHLYYPGTMGYVPGFPRQVKVLGDADKNFYDWFM	;	!	!	1	1
R40-3-A6-IGFR	YRGMLVLGRISDGAGKVASEPPARIGQKVFAVNFYDWFV	1 1	1	!	1	1
R40-X-R35-IGFR	SGCCRLLGLRWMFIVIVGWSGALVCQSAASAAGFYDWFV		1	1	1	1

Figure 1E

		Ratios ove	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	띰	IGFR/IR	IR/IGFR	
Design	XXXXXXXXXXXXXXXXX	!	:	;	:	;	
R20a-3-20D3-IR	IGGOGOHODGNFYDWFVEALA	46.3	36.2	7.0	5.2	0.2	
R20a-3-20F1-IR	VFWNCRSQQLDFYEWFEQAA	49.0	26.0	2.8	9.3	0.1	
R20a-3-20H1-IR	RVAGAISAPGLVSNKQDGLFYSWFRE	45.6	35.3	3.3	10.7	0.1	
R20a-3-20D1-IR	VLQARHGCDSVSDCFYEWFA	50.8	37.5	3.0	12.5	0.1	
R20β-4-B12-IR	GAFYRWFHEALVGSERVPDV	41.9	2.9	5.7	0.5	2.0	
R20B-4-H3-IR	HEAFYDWFSALVDGGYELMG	13.9	5.8	2.4	2.4	0.4	
R20β-4-D10-2-IR	RIGGGWARSEGFYEWFVREL	21.5	7.3	2.9	2.5	0.4	
R20ß-4-C8-IR	LPAGGA?GFA?RGFYEWFES	44.9	31.1	9.6	3.2	0.3	
R20β-4-E7-IR	GHSWALVRHVDRLFYEWFDL	45.0	18.8	5.9	3.2	0.3	
R20\\00e4-E7-2-IR	LGTSAGQGVGHRAFYQWFQS	45.0	18.8	5.9	3.2	0.3	
R20β-4-G3-IR	RGGGTFYEWFESALRKHGAG	38.6	7.5	2.0	3.8	0.3	
R20β-4-H6-IR	NSSGQQVVGLTFYSWFASQV	14.8	7.6	2.0	3.8	0.3	
R200-4-G11-IR	FYGWFSRQLSLTPRDDWGLP	39.4	7.5	1.9	3.9	0.3	
R20β-4-G8-IR	RMFYEWFWSQMGAGPTEGSA	41.2	15.1	3.4	4.4	0.2	
R20β-4-H9-IR	IGGQGQHQDGNFYDWFVEALA	43.1	8.8	2.0	4.4	0.2	
R20β-4-H8-IR	RDKPTDQEEQNWSFYEWFRH	47.9	43.7	9.3	4.7	0.2	
R20β-4-B8-IR	WSALLSVMDTGFYAWFDDAV	44.0	40.1	8.4	4.8	0.2	
R20B-4-E2-IR	SRDQTNFTFNSAGFYGWFER	16.3	13.9	2.4	5.8	0.2	
R20β-4-F4-IR	GVGTLTMSSDAFYTWFV	15.3	5.9	1.0	5.9	0.2	
R20β-4-A8-IR	IGGSFVEFYGWFNDQV	43.3	36.0	6.0	6.0	0.2	
R20ß-4-C4-IR	DIGSDGHGRRWDSFYRWFEM	17.3	26.8	4.3	6.2	0.2	
R20β-4-D7-IR	VLQARHGCDSVSDCFYEWFA	44.8	36.2	5.6	6.5	0.2	
R20ß-4-D2-IR	DPERMQSDVGFYEWFRAAVG	31.2	29.4	2.9	10.1	0.1	

Figure 1C

		Ratios ove	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	E-Tag IGFsR IR	IR	IGFR/IR IR/IGFR	IR/IGFR
Design	XXXXXXXXXXXXXXXXX	1	:	:	!	1
R20-4-B9-IGFR	DPERMQSDVGFYEWFRAAVG	40.1	16.6	;	1	1
R20-4-F8-IGFR	DIGSDGHGRRWDSFYRWFEM	39.2	13.9	;	1 1	1
R20-4-G12-IGFR	PFYQWFLDQSVGGSRGGGLR	36.7	8.0	1	;	;
R20-4-D10-IGFR	AVAPLSVRGRDSGFYSWFSS	40.2	4.1	!	1 1	;

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<u> </u>

		Ratios ov	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	K	IGFR/IR	IR/IGFR	
Design	XXXXXXXXXXNFYDWFVXXXX		;	;	:	1	
A6S-3-E12-IR	GRVDWLQRNANFYDWFVAELG	26.2	1.3	8.0	0.2	6.2	
A6S-2-C1-IR	RMYFSTGAPQNFYDWFVQEWD	41.2	1.3	7.0	0.2	5.4	
A6S-1-A7-IR	HHTQGLQVQRNFYDWFVNELR	47.2	2.3	11.1	0.2	4.8	
A6S-2-C8-IR	MHRMQHDGTSNFYDWFVLQWA	44.9	1.5	5.5	0.3	3.7	
A6S-3-E10-IR	AMHVVAQGGPNFYDWFVRELR	46.9	1.6	5.0	0.3	3.1	
A6S-2-D5-IR	AIQMNGNLAFNFYDWFVRELT	31.9	1.2	3.7	0.3	3.1	
A6S-1-B2-IR	TDRKSVQEPRNFYDWFVWAAR	31.6	1.8	5.3	0.3	2.9	
A6S-1-A4-IR	PHGHRGFAQSNFYDWFVTQEE	43.3	3.6	9.5	0.4	2.6	
A6S-4-G3-IR	RLASASVPGQNFYDWFVDQLL	31.3	2.3	5.1	0.5	2.2	
A6S-4-H8-IR	RQSEFSTLNSNFYDWFVRELE	11.5	1.7	3.6	0.5	2.1	
A6S-3-E11-IR	GQAQLSIRDVNFYDWFVQQLV	26.3	2.3	4.4	0.5	1.9	
A6S-1-A1-IR	MSEPAVGVNGNFYDWFVAQLF	36.9	3.7	6.5		1.8	
A6S-2-C9-IR	VGTGRARLDRNFYDWFVGQYS	43.6	1.3	2.3		1.8	
A6S-2-C4-IR	SREAVQKRNANFYDWFVQQLS	34.5	5.6	9.6		1.7	
A6S-4-H10-IR	LAQFAGSRNQNFYDWFVEQLG	39.2	4.4	6.9	9.0	1.6	
A6S-4-G7-IR	GQEYFDQMGLNFYDWFVRELD	19.1	1.4	2.2	•	1.6	
A6S-4-H2-IR	RQPSQPPHGSNFYDWFVEAIN	25.5	2.6	6.		 	
A6S-2-C3-IR	LMQSLGSGSTNFYDWFVQQMV	31.1	1.6	2.4			
A6S-2-C11-IR	DQQRSACDGTNFYDWFVCQLS	20.9	3,3	4.6	0.7	1 - 1 - 0	
A6S-3-F3-IR	LDGTKACQRVNFYDWFVCQTE	7.	3.0	4.2	0.7	1.4	
A6S-3-E5-IR	PEARRTVVHSNFYDWFVAQLS	31.6	2.5	3.5	0.7	4.	
A6S-1-B7-IR	PWMLSVGIQDNFYDWFVGLDS	49.2	1.6	2.3	0.7	4. [
A6S-3-E7-IR	ASHQRGGSSDNFYDWFVAQMR	37.2	5.0	9	α .		
A6S-4-G6-IR	TLEREGEFSGNFYDWFVEQLH	16.8	3.1	4.0) (°	
A6S-2-C2-IR	DRQSIGSVHGDFYDWFVSALG	29.7	2.4	3.1			
A6S-3-F1-IR	DWDKLGSLSENFYDWFVDQLA	29.7	2.3	. ~			
A6S-2-C5-IR	VRVVLNQSGRNFYDWFVIQLE	42.9	6.1	7.0	•) -	
A6S-3-E4-IR	MASWQSRTPDNFYDWFVRELS	20.9	2.1	2.3	6.0	1.1	

Figure 1E

		Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR	IR/IGFR	
Design	XXXXXXXXXXNFYDWFVXXXX		:	:	:	;	
A6S-3-E9-IR	TTCHPRGEDCNFYDWFVLQLR	36.6	9.0	8.9	1.0	1.0	
A6S-3-E1-IR	VRGNDSVLRANFYDWFVDQLS	36.7	6.8	6.9	1.0	1.0	
A6S-4-H12-IR	TPRSQVRSDHNFYDWFVYQLA	46.3	6.1	5.8	1.1	1.0	
A6S-2-D3-IR	ESLTGSRPDRNFYDWFVQQTS	37.0	5.3	5.1	1.0	1.0	
A6S-3-E8-IR	PQSLTEVRTGNFYDWFVVQLH	42.7	5.2	5.1	1.0	1.0	•
A6S-1-A12-IR	DVGMGRVKETNFYDWFVRQLI	39.7	2.1	2.1	1.0	1.0	
A6S-4-H3-IR	GADDIRSLNTNFYDWFVNQLS	18.6	3.1	2.9	1.1	6.0	
A6S-3-F7-IR	GVSIQAGYKTNFYDWFVEAVR	46.2	2.3	2.1	1.1	6.0	
A6S-2-D8-IR	VGEHRQMSVGNFYDWFVMQIA	31.2	2.0	1.7	1.2	6.0	
.A6S-3-F10-IR	GSSLGRSGPGNFYDWFVDQLE	39.0	5.9	4.5	1.3	0.8	
A6S-4-G11-IR	HRQQDVVRQGNFYDWFVQALE	44.8	4.3	3.3	1.3	0.8	
A6S-2-D2-IR	QDTFLTAREGNFYDWFIRALE	33.5	3.6	2.7	1.3	₽. 0	
A6S-4-G8-IR	EAIMREEGQANFYDWFVRQLE	11.1	2.5	1.9	1.3	0.8	
A6S-4-H6-IR	VCDVSTGGGTNFYDWFVCQVG	22.4	2.4	1.9	1.3	0.8	
A6S-2-D10-IR	PQPRSASTPLNFYDWFVQATG	41.3	2.1	1.7	1.2	0.8	
A6S-3-F4-IR	GVSRGSGGDPNFYDWFVMQLR	37.0	13.5	o. 0.	1.4	0.7	
A6S-4-G9-IR	GPGRHDSSRGNFYDWFVEQLA	36.2	11.8	7.8	1.5	0.7	
A6S-3-F5-IR	ERFALEVQGSNFYDWFVRQVI	. 48.1	7.2	4.8	1.5	0.7	
A6S-4-H1-IR	NLKSSATVGGNFYDWFVEQL	18.3	3.6	2.6	1.4	0.7	
A6S-3-F6-IR	MEGPPAGGPLNFYDWFVAQVD	18.7	2.9	1.9	1.5	0.7	
A6S-3-F11-IR	RLDVAGHRGGNFYDWFVKQLH	33.8	2.0	1.4	1.4	0.7	
A6S-2-C6-IR	PWSDHEALNQNFYDWFVSQVL	46.7	19.2	12.1	1.6	9.0	
A6S-4-G4-IR	EDRLGNGESTNFYDWFVRQLA	36.9	18.2	10.7	1.7	9.0	
A6S-4-G12-IR	GKLVASTLDDNFYDWFVRQLS	32.8	12.8	7.9	1.6	9.0	
A6S-2-D7-IR	SGPVVQTQNGNFYDWFVHQLR	33.2	12.0	7.1	1.7	9.0	
A6S-4-G10-IR	VDRAGPAGSDNFYDWFVAQLD	33.9	10.8	6.8	1.6	9.0	
A6S-3-F9-IR	SLGRNDRPDENFYDWFVSQVQ	44.3	9.6	5.7	1.7	9.0	
A6S-3-F2-IR	RVMATANAPMNFYDWFVVQLQ	23.2	4.3	2.5	1.7	9.0	

Figure 1E (Con't)

		Ratios ove	Ratios over Background	pun	Comparisons	risons	
Clone.	Sequence	E-Tag	IGFSR	ĸ	IGFR/IR IR/IGFR	IR/IGFR	
Design	XXXXXXXXXNFYDWFVXXXX	!	:	;	1	:	
A6S-4-G1-IR	NGVERAGTGDNFYDWFVAQLH	36.2	31.8	15.7	2.0	0.5	
A6S-1-A3-IR	PFACKGDKTGNFYDWFVSLTG	39.9	12.6	6.0	2.1	0.5	
A6S-3-F12-IR	GMPQEYMDQVNFYDWFVAQVD	41.4	7.4	4.0	1.9	0.5	
A6S-4-G2-IR	MGTPAVGDGANFYDWFVRQLG	26.7	7.0		2.0	0.5	
A6S-1-B1-IR	SKCKAWYGANNFYDWFVWQVD	30.6	3.7		1.9	0.5	
A6S-2-D11-IR	EAASLGSQDRNFYDWFVRQVV	48.4	37.4		2.8	0.4	
A6S-2-D1-IR	VERSASSQDGNFYDWFVVQIR	37.8	30.6	12.0	5.6	0.4	
A6S-3-E2-IR	TSEVQRRSQDNFYDWFVAQVA	33.1	24.7	9.8	2.5	0.4	

Figure 1E (Con't)

		Ratios ov	Ratios over Background	pun.	Comparisons	ons
Sednence		ge I-A	IGFSK	¥	IGFK/IK IK/IGFK	SEFE
XXXXXXX	XXXNFYDWFVXXXX	!	:	:	•	
ERSAAGFRE	ERSAAGFREGNFYDWFVAQVN	27	32	;	1	1
RAERGSMRDS	RAERGSMRDSNFYDWFVQQLP	36	3.0	1	-	!
LAMSVASRPA	LAMSVASRPANFYDWFVAQIV	35	30	,	1	1
HNSSSPMRTG	HNSSSPMRTGNFYDWFVQELR	56	30	!	1	1
SALSGPVQPI	SALSGPVQPINFYDWFVTGM	26	30	1	1	1
SAQAIREIHH	GAQAIREIHHNFYDWFVAQVT	21	29	1	1	
IGQRESDSGTN	RGQRESDSGTNFYDWFVGAIR	4 0	28	;	!	
VQEGLSGMEGNFYDWFVDQLF	FYDWFVDQLF	36	28	:	1	:
RLDRSSTSGVNFYDWFVAQVG	FYDWFVAQVG	25	28	!	1	:
GSQHSGREPHNI	EPHNFYDWFVAQVG	24	28	!	1	:
GRGDQRHETTN	ETTNFYDWFVRELQ	20	28	1	!	:
PRMVEKPSEDNFYDWFVTQLS	YDWFVTQLS	20	28	•	1	:
RVGIQVDPHTNFYDWFVIQLT	YDWFVIQLT	4.2	27	1	1	1
RSSGGLLSQGNFY	S <u>Q</u> GNFYDWFVSQLE	24	56	1		:
SDARQAGLQENFYDWFVSQVR	OWFVSQVR	23	56	1	1 1	!
PPYRSSRLGENFYDWFVMQVR	DWFVM <u>Q</u> VR	19	26	!	1	!
QEVTRTRDDKNFYDWFVSQIF	DWFVSQIF	18		1	!	:
SRAPYGSTAGNFYDWFVQAVS	YDWFVQAVS	3.7	25	:	:	:
?DGQSVSSKGNFYDWFVQQMT	YDWFVQQMT	25	25	;	1	:
RLMGGIAEPQNFYDWFVREVA	YDWFVREVA	20	25	1	1	:
SAGHHMPRESNFYDWFVDQVV	YDWFVDQVV	25	24	:	1	1
LGAAETWDGINFYDWFVKQVS	YDWFVKQVS	22	24	;	:	:
VGHSGVPPYPNFYDWFVMQVS	YDWFVMQVS	22	24	;	1	:
VTMLDKGAQDNFYDWFVREVA	YDWFVREVA	21	24	!		;
HHSPGNEHGYNFYDWFVLQVA	YDWFVLQVA	19	24	•	ŧ I	:
GSIAQLIMRANE	MRANFYDWFVEQTN	18	24	1	:	:
LKGSSQPLSVNFYDWFVQQIK	YDWFVQQIK	17	24	1	1	:
PASNKNSLAEN	LAENFYDWFVQQTR	30	23	1	•	1

Figure 1F

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RGMTGMAGANET DMEVAGAR RGMTGMVGRONFYDMFVVQLR RGMTGMVGRONFYDMFVVQLR RGMTGMVGRONFYDMFVVQLR RGMTGMVGRONFYDMFVVQLR GLRSEGGRILINFYDMFVVQLR SNPSRQDASVNFYDMFVREVA SNPSRQDASVNFYDMFVCALA VEVQRHITRINDNFYDMFVCQLA VEVQRHITRINDNFYDMFVQQV BRIENCEGPONFYDMFVQQV BRIENCEGRNFYDMFVQQV BRIENCEGRNFYDMFVQQV BRIENCEGRNFYDMFVQQV BRIENCERNFYDMFVQQVM BRELVGAGVRENFYDMFVQQVM BRELVGAGVMFVMFVM BRELVGAGVMFVMFVM BRELVGAGVMFVM BRELVGAGVMFVM BRELVGAGVMFVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGVM BRELVGAGV
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20 22 1.1 19 22 1.1 19 22 1.1 19 21 1.1 18 21 20 2.1 21 20 2.1 21 20 2.1 21 20 2.1 21 19 2.0 21 19 2.0 21 19 2.0 21 19 2.0 21 19 2.0 21 18 18 18 18 11 21 17 12 1.1 30 8 8 1.1
19 22 16 22 19 21 19 21 18 21 20 23 20 24 19 20 24 19 20 24 19 20 24 19 21 19 21 18 18 18 16 16 16 30 8 21 30 8
16 22 19 21 18 21 23 20 21 20 22 20 21 20 19 20 24 19 21 19 21 19 21 18 16 16 17 12 17 12 18 18 17 12 18 18 17 12 18 16 10 8
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21 20 19 20 18 20 24 19 20 21 19 21 18 18 16 16 16 17 12 21 30 8 2
19 20 24 19 20 21 19 21 19 21 18 18 17 17 12 21 30 8 21 21 21 21 21 21 21 21 21 21 21 21 21
18 20 24 19 21 19 21 19 21 18 18 21 16 16 16 17 12 21 30 8 21 21 21 21 21 21 21 21 21 21 21 21 21
24 19 21 19 21 19 21 18 18 16 16 16 17 12 30 8 30 8 2
21 19 21 18 18 18 18 19 16 16 16 17 12 30 8 30 8 21 18 18 18 18 18 18 18 18 18 18 18 18 18
21 19
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18 18 16 16 17 12 18 30 8 30 8
16 16 17 12 30 8 30 8
17 12 30 8 30 8 30 8
30 8
30

Figure 1F (Con't)

Patios over Background		Comparisons	sons			
Clone	Sequence	E-Tag	IGFsR	IR	IGFR/IR IR/IGFR	IR/IGFR
Design	XXXXXXXXXXXVFYDWFVXXXX	1	:	:	1	1
A6S-1-D5-IGFR	RVGSGMEDLGNFYDWFVRQAQ	25	വ	1	1	!
A6S-1-A2-IGFR	KDPVTVSQGRNFYDWFVVQIQ	20	വ	ŀ	I I	1
A65-3-E6-IGFR	DARDHGVWVMSNFYDWFVAQVS	20	ഗ	1	1	! !
A6S-1-G3-IGFR	$ ext{VATVHVGGGMNFYDWFVAQVG}$	19	D.	1	1	1
A6S-3-G4-IGFR	CADPGACSSLNFYDWFVQMRG	21	4	1	1	1
A6S-3-H8-IGFR	NPTSVQQYGVNFYDWFVNVLS	20	4	1	1	i t
A6S-3-E3-IGFR	RPSLPEVRPGNFYDWFVQSVR	19	4	1	1	1
A6S-3-D9-IGFR	SLQGADFQQGNFYDWFVSELA	17	4	1	1	1
A6S-2-A1-IGFR	LSSRGRVIMRNFYDWFVAQVV	31	e	1	1	1
A6S-1-H4-IGFR	HKSWTTMSPLNFYDWFVAQVE	18	m	1	1	1
A6S-3-C1-IGFR	RPVIGGGGTRNFYDWFVAQMI	17	m	1	1	1
A6S-3-B10-IGFR	YDQDPPYWGLNFYDWFVREVA	16	ю	1	I I	1

		Ratios ove	Ratios over Background	punc	Comparisons	risons
Clone	Sequence	E-Tag	IGFSR	×	IGFR/IR	IR/IGFR
Parental/Design	YRGMLVLGRISDGAGKVASEPPARIGOKVFAVNFYDWFV	19.0	.4.0	;	:	;
A6L-3-D1-IR	ORGMLVRGRISHGAGKIAYEPPDCLGOKACAVNFYDWFV	22.6	19.8	26.5	0.7	1.3
A6L-4-H7-IR	<u>Q</u> RGMLLLGRISDDAGKVASEPSARRGQKVFAFNFYDWFV	37.5	3.5	4.2	0.8	1.2
A6L-4-H4-IR	YRGILVLGRISEGAGKVASEPAARIGQKVFADFYDWFV	38.5	21.1	25.8	0.8	1.2
A6L-4-E4-IR	QRGMLALGRISDGAGKVASEPPAGIGQKVFAFNFYDWFV	38.1	5.4	6.0	0.9	1.1
A6L-4-G7-IR	FRGRLVLGHFSDGAGKVGSEPAARIGQKVFDVNFYDWFV	38.6	16.2	18.5	6.0	1.1
A6L-3-C3-IR	YRGMLVLGRISDGAGKVASEPPARIGQEVFADNFYDWFV	34.7	21.8	23.1	6.0	1.1
A6L-3-B6-IR	YRGMLVLGRISDGAGEVASEPPARIGQEVFALNFYDWFV	33.1	27.8	30.3	0.9	1.1
A6L-4-G11-IR	VPWYAGSGSSSDGAGKVASEPPARIDQKVFAVNFYDWFV	27.6	2.0	2.0	1.0	1.0
A6L-4-G12-IR	YRGQLVLGRISYGAGKVGCDPPARIGOKDWAVNFYDWFV	32.0	2.3	2.3	1.0	1.0
A6L-3-A10-IR	<u>Q</u> RGLLVLGRFSDGAGNVASEPPAGIGQEVFPVNFYDWFV	21.1	2.4	2.4	1.0	1.0
A6L-4-E12-IR	<u>Q</u> RGMLVLGRISDGAGKVAAEPPDCLGQKVCAVNFYDWFV	3.1	2.4	2.4	1.0	1.0
A6L-4-E10-IR	QRGMRVLGRISDGAGKVASELPPRIGQKDFAVNFYDWFV	30.1	3.8	3.8	1.0	1.0
A6L-4-G8-IR	QRGMLVLGSISDGAGKVAYEAPARIGQTVFAVNFYDWFV	37.9	4.7	4.7	1.0	1.0
A6L-3-C12-IR	<u>Q</u> PWCAGSGRIYDGACKVASEPPAHIGQEVFAVNFYDWFV	29.5	5.7	5.7	1.0	1.0
A6L-4-H11-IR	QRGMLVLDRISDGAGKVASGPPARIGQNVLAVNFYDWFV	35.4	9.6	9.6	1.0	1.0
A6L-4-F10-IR	YRGMLVVGRISDGTGKVASQPPARIGQKVFAVNFYDWFV	31.6	10.5	10.5	1.0	1.0
A6L-4-E9-IR	YRGMLVLGRISDGAGKVASVPPAHIGQKVFAFNFYDWFV	39.8	12.9	12.9	1.0	1.0
A6L-4-H8-IR	QHGMLVLGRVSVGAGKVPSEPQARIGHKVFDVNFYDWFV	38.2	14.6	14.6	1.0	1.0
A6L-3-A11-IR	YSGYAGSGSFSDGAGKVASEPPARISQEVLADNFYDWFV	29.0	17.5	17.5	1.0	1.0
A6L-4-F9-IR	YRGMLVLGRISDGAGKVASEPPARIGQKVSAVNFYDWFV	35.7	18.4	18.4	1.0	1.0
A6L-4-G2-IR	YHGKLDLGRISVGVGKVASEPPARIG <u>Q</u> KVFADNFYDWFV	29.5	21.4	20.7	1.0	1.0
A6L-4-E8-IR	YRGQAGSGVGSLTVAGKVASDPPARIGQKVFADNFYDWFV	28.7	21.6	21.6	1.0	1.0
A6L-4-H10-1K	HRGMLVLGRISEGAGNVDPEPPARIGONVFAGNFYDWFV	30.0	22.1	22.1	1.0	1.0
A6L-4-G9-1K	QRGMPVLGRISDGAGKVGSEPPARIARKVFPVNFYDWFI	37.1	22.6	22.6	1.0	1.0
A6L-4-F/-1K	QGGLLVTGRISDGAGKVASEPPGGIGQKVFAGNFYDWFV	28.6	23.6	24.4	1.0	1.0
AbL-4-E11-1K	YPWYGGSGTYLDGAGKVASEPPARIDQQVFAGNFYDWFV	38.4	26.5	26.5	1.0	1.0

Figure 1G

		Ratios ove	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	2	IGFR/IR	IR/IGFR	
Parental/Design	YRGMLVLGRISDGAGKVASEPPARIGQKVFAVNFYDWFV	19.0	.4.0	;	;	;	
A6L-4-H9-IR	YRAMLVLRRISDVAGIVDSEPPTRIGOKVFAGNFYDWFV	37.5	27.3	27.3	1.0	1.0	
A6L-4-E1-IR	YRGMLVLGRISQGAGNVASEPSSRIGQKVFAGNFYDWFI	35.4	32.6	31.4	1.0	1.0	
A6L-3-A5-IR	YRGMLVLGRISDGAGKVDYEPPARIGQKVFAGNFYDWFV	38.3	34.6	35.5	1.0	1.0	
A6L-4-G4-IR	YRGMLGLGGISAGAGIVASEPPARVGQKVFAGNFYDWFV	30.4	17.7	15.2	1.2	6.0	
A6L-4-H2-IR	YRGILF <u>Q</u> GRIPDGAGKVASEPPTRIGERVFAVNFYDWFV	36.1	4.2	3.6	1.1	6.0	
A6L-4-E6-IR	<u>Q</u> GGMPVLGRISDGAGKVAFEPPARIGQKVFAGNFYDWFV	28.6	24.1	22.7	1.1	6.0	
A6L-4-H5-IR	YRGMLVLGRIQDGAGKVASEPPARIGQKVFTGNFYDWFV	37.2	24.6	23.1	1.1	6.0	
A6L-4-H3-IR	QRGMLVLGGVSDGAGKVASDPPASIGQNVFAVNFYDWFV	37.1	9.1	7.2	1.3	0.8	
A6L-4-E5-IR	YPGMLILDRISDGASKVVSEPPASIGQKVFAVNFYDWFV	42.1	30.6	24.4	1.3	0.8	
A6L-3-C5-IR	YRGMLVLDRISDGAGKVASEQPARIGQEVYAVNFYDWFV	42.2	21.9	17.5	1.2	0.8	
A6L-4-G6-IR	YRGMLDLGRISGGVGKVASESPARIGQKVYAVNFYDWFV	29.8	4.3	2.8	1.5	0.7	
A6L-3-D4-IR	QRGMMVLGRISDGAGEVASEKVFAVNFYDWFV	39.9	12.4	8.4	1.5	0.7	
A6L-3-A7-IR	<u> Q</u> RGMLVLGRVSDGAGKVDSAPPARIGQKVFAGNFYDWFV	31.0	21.2	14.0	1.5	0.7	
A6L-3-A6-IR	<u>Q</u> RGMLVLGRMSDGAGKVAFEPPARIGQRGFAGNFYDWFV	25.5	12.3	8.8	1.4	0.7	
A6L-4-E7-IR	QRGTLVLGRISDGAGKAASEPPARIGQNVFAVNFYDWFV	38.4	12.5	7.1	1.7	9.0	
A6L-3-C6-IR	QRGMLVLDRISDGAGKVAAEPPARIGQKVFALNFYDWFI	28.8	10.9	6.7	1.6	9.0	
A6L-4-F5-IR	QRGMLVLGRISDGAGEVASEPPARIGEKVYAVNFYDWFV	33.8	6.3	4.1	1.5	9.0	
A6L-3-B7-IR	QRGILVRGRISDGAGKVGSEPPARSGEKVFAVNFYDWFI	27.6	9.4	5.0	1.9	0.5	
A6L-4-F4-IR	<u>Q</u> LGMVVLGRISDGSGKAASEPAARISQKVFAVNFYDWFV	38.9	17.6	9.4	1.9	0.5	
A6L-4-E3-IR	<u> Q</u> RGMLVLGRISDGDGKVASEPPARIGQRVFAVNFYDWFV	38.0	6.9	3.8	1.8	0.5	
A6L-U-E6-1R	YRGMLVLGRSSDGAGKVAFERPARIGQTVFAVNFYDWFV	31.0	31.0	1.8	17.0	0.1	
A6L-0-E4-IR	YRGMLVLGRISDGAG#VASEPPARIGRKVFAVNFYDWFV	26.0	16.0	1.3	13.0	0.1	
A6L-U-H3-IR	YRGMLVLGRISGGAGKAASERPARIGQKVSAVNFYDWFV	27.0	26.0	2.0	13.0	0.1	

Figure 1G (Con't)

Sequence	Ratios ov E-Tag	Ratios over Background E-Tag IGFsR II	ound IR	Comparisons IGFR/IR IR/IG	isons IR/IGFR
YRGMLVLGRISDGAGKVASEPPARIGQKVFAVNFYDWFV	19	4	:	!	;
	56	28	1	1	1 1
YRGRIGLGRISDVAGKVACDPSARIGQKVLPVNFYDWFV	39	22	1	1	1
YRGMLVLGRISDGAGRVASEPQARIGOKVFAVNFYDWFV	23	22	1	1	! !
OGGMLVPGRISDGAGKVASQPPARIGPKGFAGNFYDWFV	19	22	1	1	1 .
YRGMRVLGRISDGAGKVASEPPTHIGQKVFPVNFYDWFV	38	21	1	1	!
YRGMLVLGRISDGAGKVGSEPAARIGQKVFALNFYDWFV	34	21	1	i I	1
YRGOGMYLGRISDGAGKVASEPPGRIGQKVFPVNFYDWFV		21	1	1	1
YRGMLGLGRITGGAGKVASEPPDRIGQHVFVDNFYDWFV	20	20	1	1	;
DGMLVLGRISDGAGNVASEAPARIGOKVFAVNFYDWFV	20	19	1	1	!
YRGMRVRGRISDGAGKAASDPRARIGQTVLDVNFYDWFV	19	19	!	1	!
YRGMWVLGRISYGAGKVAYEPPARMGQKGFAVNFYDWFV	38	18	1	1	†
YRGMLVGGRIAGGAGIVASEPPARIGOKVFAVNFYDWFV	18	18	I I	ŀ	1
YRGLLGLGGISDGAGKVASEPPARNGQKVFAVNFYDWFV	15	13	1	! •	1
YRGMLGLGRISAGAGKVASGAPARIGQEDFAVNFYDWFV	14	13	1	!	!
YRGMLALGRISEGAGKVASEPPARIGQNVFAVNFYDWFV	13	12	1	1	
YRGMLVLGRISDGAGKVASEPPARIGQKVLAVNFYDWFV	17	4	!	!	1
YPGMLVPGRISDGAGEGATDPPPRIGQKVFAFNFYDWFV	16	4	1	1	1
YRGMLVPGRISDGAGKVAYEPPARIGQKIFAVNFYDWFV	15	4	1	1	1
YRGVLVLGRVSDGVGKVASEPPAHRGQRVFGVNFYDWFV	56	m	1	1 1	1
YRRMLVLGRISDGAANVASGPPDRIGQKVFAGNFYDWFV	23	ო	1	i I	1
YRRMLALGRFSDVTGDVASEPPAHIGQKVVAVNFYDWFV	23	m	1	1	1
YRGMVVRGRIFDGPGKVASEPRARIGQKVFAVNFYDWFV	19	m	ŀ	1	!
YRGMLILGRISDGAGKVASEPPARVGQDVVAVNFYDWFV	σ	М	1	l k	1
YPGRLVGGRISDGVGKVASEPPGRIGQKVFAVNFYDWFV	20	2	1	1	1
QRGLLVLGRIFDGAGKVASDPPARIGQKDFADNFYDWFV	18	2	1	1	1
YRGMLVLGRISDGAGKVAFEPPARIGONVFAVNFYDWFV	18	2	1	1	!
YRCMPVLGRISDGAG#VASDRPARIGQKVFAVNFYDWFV	18	7	1	ŀ	1
YRGRLVLGRISDGAGKVAAEPPASMDSKVFAGNFYDWFV	15	2	1	1	1

Figure 1H

		R	atios over	Ratios over Background	pu	Comparisons	isons
	Sequence	H	E-Tag	IGFsR 	≝ :	IGFK/IK	INIGEN
Clour Design	GFREG <u>NFYDWFV</u> AQVT		40.7	1.0	12.3	0.1	12.3
E4Da-1-B8-IR	GFREGORWYWFVAQVT		39.6	2.0	1.5	1.3	0.8
E4Da-3-E5-IR	GFREGYFYDWFLAQVT		48.7	44.9	31.4	1.4	0.7
E4Dα-1-A1-IR	GFREGDFYEWFVAQVT		22.9	3.3	2.4	1.4	0.7
E4Dα-2-D9-IR	GFREGOFYEWFAAQV1		41.8	38.6	26.5	1.5	0.7
E4Da-1-B3-IR	GFREGTFYDWFVAQV'I		56.3	51.2	32.6	1.6	9.0
E4Dα-1-A6-IR	GFREGNFYDWFEAQVT		48.9	42.2	26.5	1.6	9.0
$E4D\alpha-1-A10-IR$	GFREGAFYDWFEAQVT		46.9	41.5	26.2	1.6	9.0
E4Dα-1-A8-IR	GFREGAFYDWFVAQVT		44.1	31.1	19.7	1.6	9.0
E4Dα-1-B1-IR	GFREGKFYQWFEAQV'I'		34.0	8.1	4.8	1.7	9.0
E4Dα-2-C9-IR	GFREGDFYDWFQAQV'I		45.3	40.3	22.5	1.8	9.0
E4Dα-1-A3-IR	GFREGTFYEWFVAQV1		46.9	41.0	22.5	1.8	0.5
E4Dα-1-A9-IR	GFREGNFYDWFVAQVI		37.2	14.1	8.0	1.8	9.0
E4Dα-3-F3-IR	GFREGOFYEWFLAQVI		35.1	16.3	8.7	1.9	0.5
E4Dα-2-D3-IR	GFREGOFIUWFLAQVI		33.2	5.6	2.8	2.0	0.5
$E4D\alpha-2-D6-IR$			27.8	4.5	2.3	2.0	0.5
E4Da-3-F10-IR	GFREGOFIDMFRACVI		43.8	23.8	11.4	2.1	0.5
E4Dα-2-D5-IR	GFREGYFYEWFQAQVI		25.9	7.6	3.7	2.1	0.5
E4Dα-3-F4-IR	GFREGDF Y QWFEAQV 1		3.4.6	4.0	1.9	2.1	0.5
E4Dα-3-E3-IR	GFREGSFYGWFQAQVI		6 00		7.4	2.2	0.5
E4Dα-3-F8-IR	GFREGSFYAWFQAQVI		, ,	7 1 1	r.	2.3	0.4
E4Dα-2-C1-IR	GFREGQFYDWFVAQVT		1 · · · · · · · · · · · · · · · · · · ·	•	, o	2.3	0.4
E4Dα-1-B4-IR	GFREGIFYEWFVAQVT		40.5	•	,	1	

isons IR/IGFR	1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	3.5	2.0	1.8	1.8	1.8	1.7	1.7	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3		
Comparisons IGFR/IR IR/I	;	2.4	2.4	2.4	2.5	2.5	5.6	5.6	5.6	3.0	3.4	4.1	0.3	0.5	0.5	9.0	9.0	9.0	9.0	0.7	0.7	0.7	0 7	0.7	0.7	0.8	0.8	0.8		
~	;	14.7	13.8	9.8	6.3	2.0	9.5	9.0	7.2	5.6	3.3	8.2	28.7	2.4	2.2	26.9	23.7			32.9			12.51	•	•	36.1	35.2	33.7		
Backgrou IGFsR	1	36.0	33.4	20.4	15.6	4.9	24.8	23.2	18.7	16.6	11.1	33.9			•		, .	•	14.7	22.5	•	•	•		, . i r	•		25.5		
Ratios over Background	6 · ·	47.2		•	36.2	26.0			. 0	•	•	•	•	٠ ١	•	•		- α	0 0) -	•		28.2			ት 1 . ጉ.	n «		
	•																													11 (Con't)
																														11 04112
		VŢ	IVT	IVT	ΙΛΙ	ΙΛί	ΙΛί	ΙΛί	ΙΛΙ	ĮVŢ	ΣVΤ	ΣΛΙ	ÇVT	JVT 	ZV.ľ	I.AC	TVÇ	ŢVQ	QVT	QVT	ZVT.	.QVT	,QVT	TVQ	IQVT	\QVT	4QVT	1QVT	AQVT	
			'YEWFQAQVT	GEREGNFYDWFAAQVT	GFREGSFYDWFVAQVT	GFREGDFYDWFVAQVT	GFREGDFYQWFVAQVT	GFREGGFYDWFVAQVT	GFREGDFYGWFQAQVT	GFREGVFYDWFVAQVT	GFREGGFYEWFQAQVT	GFREGSFYDWFQAQVT	GFREGNFYEWFQAQVT	GFREGKFYDWFLAQVT	GFREGEFYEWFVAQVI	GFREGRFYDWFVAQVI	GFREGTFYDWFVAQVI	GFREGEFYEWFAAQVT	GFREGDFYEWFEAQVT	GFREGHFYDWF?AQVT	GFREGEFYDWFVAQVI	GFREGSFYDWFVAQVT	GFREGSFYDWFGAQVT	GFREGTFYDWFQAQVT	GFREGNFYEWFTAQVT	GFREGSFYNWFQAQVT	GFREGNFYDWFVAQVT	GFREGDFYDWFVAQVT	afydwfaaqvt	
	Sequence	GFREGNE	GFREGSFYEW	GFREGNE	GFREGSF	GFREGDE	GFREGDF	GFREGGF	GFREGDE	GFREGVE	GFREGGE	GFREGSI	GFREGNI	GFREGKI	GFREGE	GFREGR	GFREGT	GFREGE	GFREGD	GFREGH	GFREGE	GFREGS	GFREGS	GFREGI	GFREGN	GFREGS	GFREGI	GFREGI	GFREGAFY	
				~					&		쏪	ex.		~	ਲ	껖	껖	었	_,		~	~	~	[R	~	IR	IR	K	IR	
	:· 	4	54 Da - 4 - H5 - IR	E4D0-1-B12-IR	F4Dα-4-G2-IR	FADO-3-F9-IR	E4DW -4-G6-IR	E4DG-4-H9-IR	E4Dα-2-C10-IR	E4Dα-1-B2-IR	E4Dα-3-F12-IR	E4Dα-2-D11-IR	E4Da-4-H2-IR	E4Dβ-4-A12-IR	E4Dβ-4-A10-IR	E4Dβ-4-E10-IR	E4Dβ-4-B11-IR	E4Dβ-4-C10-IR	E4Dβ-4-E8-IR	E4Dβ-4-G7-IR	E4Dβ-4-C8-IR	E4Dβ-4-A8-IR	E4Dβ-4-A9-IR	E4DB-4-G11-IR	E4DB-4-B9-IR	E4DB-4-F10-IR	E4Dβ-4-D12-IR	E4DB-4-B8-IR	E4Dβ-4-G10-IR	
	Clone	Design	FAD0:-4	1 - 20 Da	74DQ-4	F4D0-	7-20053	14 DO - 1	E4Dα-1	Ε4 Dα -	Ε4 Dα-	E4Dα-	E4Dα-	E4Dβ-	Ε40β-	Ε4Οβ-	Ε4Οβ-	Ε4Οβ-	E4Dβ-	Ε4Dβ-	Ε4Dβ-	$E4D\beta$ -	E4Dβ-	Ε4 Dβ-	Ε4 Dβ.	E4DB	E4Dβ	E4DB	E4DB	

Figure 11 (Con't)

1.3

E. 1 2. 1 2. 1 1. 1 1. 0 1. 0 1. 0
0.8 0.8 0.8 0.9 0.1 1.1
25.7 44.4 33.4 32.3 27.6 36.6 6.1 28.3
19.3 35.6 27.1 22.5 33.3 4.9 5.9 31.3
34.1 39.3 40.2 41.2 38.0 38.7 10.9 14.8 39.3
GFREGSFYDWFEAQVT GFREGSFYEWFDAQVT GFREGAFYDWFEAQVT GFREGQFYDWFAAQVT GFREGDFYDWFAAQVT GFREGDFYDWFAAQVT GFREGSFYEWFEAQVT GFREGGFYDWFLAQVT GFREGGFYAWFAAQVT
$E4D\beta - 4 - D9 - IR$ $E4D\beta - 4 - F8 - IR$ $E4D\beta - 4 - E12 - IR$ $E4D\beta - 4 - H12 - IR$ $E4D\beta - 4 - H9 - IR$ $E4D$ $A - B9 - IR$ $E4D\beta - 4 - F9 - IR$ $E4D\beta - 4 - F12 - IR$ $E4D\beta - 4 - F12 - IR$ $E4D\beta - 4 - F9 - IR$ $E4D\beta - 4 - F9 - IR$ $E4D\beta - 4 - F7 - IR$ $E4D\beta - 4 - F7 - IR$

Ratios over Background Comparisons E-Tag IGFSR IR IGFRIR IR/IGFR		20.8 22.8	21.5 22.6	22.0 22.5	20.6 22.1	17.4 21.5	24.2 21.2	19.1 20.7	24.3 20.5	21.0 20.5	25.0 20.2	22.8 20.1	21.1 19.8	22.6 19.7	24.2 18.8	23.6 18.0	22.2 18.0	22.1 17.6	24.6 17.5	19.0 17.5	23.0 16.4	23.0 16.1	21.6 16.0	21.9 14.1	24.5 13.2	18.9 12.4	23.9 10.8	
Sequence	GFREGNFYDWFVAQVT	GFREGDFYDWFRAQVT	GFREGSFYDWFVAQVT	GFREGDFYGWFQAQVT	GFREGGFYDWFQAQVT	GFREGDFYDWFVAQVT	GFREGDFYDWFQAQVT	GFREGGFYDWFVAQVT	GFREGDFYDWFAAQVT	GFREGNFYDWFQAQVT	GFREGNFYDWFLAQVT	GFREGHFYDWFQAQVT	GFREGQFYEWFEAQVT	GFREGSFYEWFQAQVT	GFREGDFYDWFLAQVT	GFREGHFYDWFVAQVT	GFREGQFYEWFVAQVT	GFREGQFYDWFAAQVT	GFREGQFYDWFVAQVT	GFREGDFYQWFAAQVT	GFREGNFYDWFVAQVT	GFRDGSFYDWFVAQVT	GFREGHFYEWFQAQVT	GFREGDFYDWFSAQVT	GFREGHFYDWFDAQVT	GFREGYFYDWFKAQVT	GFREGHFYDWFEAQVT	
		E4D-2-E7-IGFR	E4D-2-C11-IGFR	E4D-2-B1-IGFR	E4D-2-D10-IGFR	A9-IGFR	E4D-2-E5-IGFR	E4D-2-H9-IGFR	E4D-1B-C4-IGFR	E4D-2-E10-IGFR	E4D-2-F4-IGFR	E4D-2-C10-IGFR	E4D-3-D8-IGFR	E4D-3-F9-IGFR	E4D-1B-E5-IGFR	E4D-2-F3-IGFR	E4D-3-D5-IGFR	E4D-3-G10-IGFR	E4D-2-F6-IGFR	E4D-2-F7-IGFR	E4D-3-B7-IGFR	E4D-1B-C12-IGFR	E4D-3-B1-IGFR	-E2 - IGFR	E4D-2-D1-IGFR	-D4 - IGFR	E4D-1B-A10-IGFR	E4D-1B-A3-1GFR

Figure 1J

		Ratios ove	er Backgro	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	≅	IGFR/IR	IR/IGFR	
D sign	GFREGNFYDWFVAQVT) 4 8		:	1	!	
E4D-1B-B8-IGFR	GFREGDYYGWFEAQVT	23.8	10.7	1	!	;	
E4D-1-G7-IGFR	GFREGDFYAWFMAQVT	14.3	10.5	1	i i	:	
E4D-1B-A11-IGFR	GFREGNFYEWFLAQVT	24.0	10.0	;	1	;	
E4D-1-C3-IGFR	GFREGSFYDWFDAQVT	15.8	9.3	1	1	1	
E4D-2-H1-IGFR	GFREGNFYDQFVAQVT	19.6	4.9	1	;	;	
E4D-1-C2-IGFR	GFREGHFYEWFAAQVT	11.5	4.5	1	;	;	
E4D-1B-A12-IGFR	GFREGNFYEWFVAQVT	18.4	3.5	1	;	!	
E4D-1B-A1-IGFR	GFREGKFYDWFVAQVT	22.5	2.9	1	1	:	
E4D-2-A3-IGFR	GFREGMFDVQLLAQVT	22.7	2.1	ţ	;	1	

Figure 1J (Con't)

XXXX S S S S S S S S S S S S S S S S S	Sequence XXXXXXEHENFYDWFVRQVSXXXXXX VTFTSAVFHENFYDWFVRQVS TYKARFLHENFYDWFNRQVSQYFGRV QRLSLHEQFYDWFVGQVSPLGAGG GGGKVNFHEDFYGWFVQQFSGVGSDR LVGDAPFHEDFYDWFDRQVPWTALDR QPKSSRLHESFYDWFDRQVPWYALDR QPKSSRLHESFYDWFVRQVSGUDWGY QPKDGTLHENFYDWFVRQVSGUDWGY QRCAPKSDENFYDWFVRQVSGGWGGS QRCAPKSDENFYDWFVRQVSGGWGGS GRAPKSDENFYDWFVRQVSGGWWG GTSNHSLHENFYDWFVRQLSSVQSSG VSHVHLFHENFYDWFVRQLSSVQSSG VSHVHLFHENFYDWFVRQLSSVGSGT SLSREQFHEHFYDWFVRQVSGGGTG SLSREQFHENFYDWFVRQVSGGGTG SLSREQFHENFYDWFVRQVSGGGTG SLSREQFHENFYDWFVRQVSGGGTG VSQLSDFHENFYDWFVRQVSGGGTG VSQLSDFHENFYDWFVRQVSGGGLTG VSQLSDFHENFYDWFVRQVSGGGTG VGQSVTFHGDFYDWFARQVSDLESLG TIDHHPLHEQFYDWFARQVSDLESLG TIDHHPLHEQFYDWFARQVSDLESLG	Ratios over Background Comp	15-14g 10:31	29.8 17.5 16.3	37.7 2.2 18.1	31.2 4.4 18.8	36.1 13.4 25.7	35.6 12.1 22.0 0	m	37.1 23.3 34.3 0	39.8 25.0 35.6 0	33.5 5.1 6.6 0	36.1 19.6 25.1 0	39.3 24.3 31.9 0	8.2 2.6 3.2	35.9 9.9 12.1	37.3 30.1 36.2	38.6 35.4 37.3	29.3 5.1 5.6	TSGGGT 37.2 16.9 19.1 0.9	29.2 28.6 32.2	32.4 29.1 31.6	36.1 34.4 36.	34.2 35.5 37.7 0.3	37.0 36.0 40.0 0.	37.5 36.7 39.5 0.	37.7 37.6 39.9 0.	18.7 3.6 3.5 1.	WFDROVSEWIOFG 26.5 21.4 21.5 1.0	C F C C C C C C C C C C C C C C C C C C
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Figure 1K

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	Sequence	Ratios over Background F.Tao IGFsR II	CI DAICHEID	2	IGFR/IR 1R/I	ISONS IR/IGER
XXX	XXXXXXXFHENFYDWFVRQVSXXXXXX	; ; ;	:	: :	;	-
VSG	VSGRGAFHENFYDWFVRQVFRDEQDT	36.6	30.6	30.9	1.0	1.0
ARP	ARPPPTVHENFYDWFVRQVSETWRQD	38.3	30.7	31.0	1.0	1.0
Q G	<u>Q</u> GGDRLFHERFYDWFDRLVSSDSTGE	34.1	30.7	30.4	1.0	1.0
QHI	<u>Q</u> HIAAGLHENFYDWFIRQVSGVNVPA	33.9	31.0	31.8	1.0	1.0
OPNI OPNI	<u>Q</u> PNDGLLHENFYDWFVRQVSNAVDGG	38.9	31.1	31.4	1.0	1.0
PVE	PVEFTVYHDNFYDWFARQVSDGLGQF	33.0	31.1	29.8	1.0	1.0
FCV	FCVQASIHENFYDWFVRQVAENQVFS	35.3	31.4	30.0	1.0	1.0
GRPI	RGSFHENFYDWFARQVSGDGAGT	37.9	31.9	31.0	1.0	1.0
IVG	IVGASLCHESFYDWFACQVTNLQSQG	38.1	32.0	31.9	1.0	1.0
IGL	ROMFHENFYDWFAREVSKEAGDG	36.9	32.3	31.6	1.0	1.0
LGG/	LGGAIEGHGNFYDWFVRQVSLDVGGE	36.6	32.7	32.5	1.0	1.0
LNA	LNALQQLHENFYDWFGRQVSATPPGG	35.5	32.8	33.3	1.0	1.0
NGN	VGNCDTFPENFYDWFACQVSELGGMN	35.9	33.0	33.4	1.0	1.0
FSOI	FSQDGNFHENFYDWFDRQLSLVGAGT	33.3	33.0	32.9	1.0	1.0
PAGI	PAGNRALHESFYDWFVRQVSEFQLGA	39.5	33.7	33.7	1.0	1.0
DRL	DRLRARFNENFYDWFDRQVSG <u>o</u> GSMP	35.3	34.0	35.6	1.0	1.0
VLG	VLGVAQFHDKFYDWFARQVSQLESAG	35.7	34.7	34.9	1.0	1.0
GVV	GVVGGAFHEQFYDWFDRQVSAAFKGD	36.2	35.0	33.5	1.0	1.0
DESI	DESEMRLHE<u>Q</u>FYDWFARLVSLEGGSA	37.6	36.5	35.3	1.0	1.0
EGG	EGGGVAIHENFYDWFDRQVSLQGWSD	39.8	36.5	35.1	1.0	1.0
SRI	SRIVSRFHENFYDWFVRQVSGDAPVQ	40.2	36.7	35.9	1.0	1.0
I PA(I PAGA <u>Q</u> LHENFYDWFARQVSGEDGGA	37.3	37.0	36.3	1.0	1.0
GSS1	GSSAAGFDEQFYDWFDRQVSEAFRDG	39.7	37.6	37.6	1.0	1.0
RLA	RLALRTFHQDFYDWFVRQVAAEDTDP	39.4	37.7	37.6	1.0	1.0
<u>Q</u> GS1	<u>Q</u> GSFAVLHENFYDWFARQVSGVEGLA	38.8	38.0	37.8	1.0	1.0
NS OGN	<u> </u>	41.9	38.9	38.0	1.0	1.0
VAY	VAYPALLHEQFYDWFVRQVSAVAGTT	37.8	7.3	6.3	1.2	6.0
PDT	PDTINSQHKNFYDWFVRQVSGVGTSS	36.8	22.5	19.2	1.2	6.0

Figure 1K (Con't)

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Ratios over Background

Figure 1K (Con't)

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		Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFsR	IR R	IGFR/IR	IGFR/IR IR/IGFR	
Design	XXXXXXFHENFYDWFVRQVSXXXXXX		;	;	1	;	
H2CA-4-G7-IR	RAGGVGLHDNFYDWFVRQVSGGDSGP	35.9	35.9 34.7 23.7 1.5 0.7	23.7	1.5	0.7	
H2CA-3-C6-IR	ADCYVQLHENFYDWFRRQVCNLQEGM	38.7	37.6	28.2	1.3	0.7	
H2CA-3-B8-IR	RQGHAGFHDNFYDWFVRQVSGSTPQV	37.8	19.6	9.9	2.0	0.5	

Figure 1K (Con't)

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Ş		Ratios ove	Ratios over Background	pun	Comparisons	risons 10/1060	
Clour Design	XXXXXXFHENFYDWFVROVSXXXXXX	 50	¥ :	: :		:	
Parental	VIFTSAVFHENFYDWFVRQVS	29.8	17.5	16.3	1.1	6.0	
H2CA-4-G9-IGFR	GIISQSCPESFYDWFAGQVSDPWWCW	8.6	9.5	9.0	16.0	0.1	
H2CA-4-H6-IGFR	VGRASGFPENFYDWFGRQLSLQSGEQ	4.9	10.5	0.7	14.6	0.1	
H2CA-4-F-IGFR5	VGYQGQGDENFYDWFIRQVSGRLGVQ	5.5	9.7	0.8	12.3	0.1	
H2CA-4-H8-IGFR	SACQFDCHENFYDWFARQVSGGAAYG	5.6	9.5	1.0	9.4	0.1	
H2CA-4-F11-IGFR	SAAQLFFQESFYDWFLRQVAESSQPN	3.5	6.8	1.0	6.7	0.1	
H2CA-4-F6-IGFR	AVRATRFDEAFYDWFVRQISDGQGNK	3.9	7.3	1.1	6.4	0.2	
H2CA-4-F10-IGFR	VNQSGSIHENFYDWFERQVSHQRGVR	4.9	5.7	1.0	5.9	0.2	
H2CA-1-A3-IGFR	APDPSDFQEIFYDWFVRQVSRMPGGG	7.7	3.8	0.8	5.1	0.2	
H2CA-3-C8-IGFR	SSCDGAGHESFYEWFVRQVSGCRSV	15.1	9.9	1.2	4.8	0.2	
H2CA-2-B9-IGFR	RAGSSDFHEDFYEWFVRQVSLSLKGK	9.3	7.0	1.7	4.2	0.2	
H2CA-4-H4-IGFR	QAVQPGFHEEFYDWFVRQVSTGVGGG	3.9	4.1	1.0	4.2	0.2	
H2CA-4-F7-IGFR	SSIGGGFHENFYDWFSRQLSQSPPLK	1.5	3.2	0.8	4.1	0.2	
H2CA-3-D6-IGFR	QSPVGSSHEDFYDWFFRQVAQSGAHQ	8.3	9.0	2.2	4.0	0.3	
H2CA-3-D8-IGFR	NYRRQVFNGNFYDWFDRQVFSLVTPG	10.9	7.2	1.8	4.0	0.3	
H2CA-4-G11-IGFR	TLDGGSFEEQFYDWFVRQLSYRTNPD	10.8	9.5	2.5	3.9	0.3	
H2CA-4-F1-IGFR	FYVQQWGHENFYDWFDRQVSQSGGAG	5.8	3.5	6.0	3.8	0.3	
H2CA-3-D7-IGFR	LRRQAPVEENFYDWFVRQVSGDRVGG	13.3	3.0	0.8	3.7	0.3	
H2CA-1-A7-IGFR	RCGRELYHSTFYDWFDRQVAGRTCPS	8.0	2.2	9.0	3.7	0.3	
H2CA-2-B4-IGFR	CCLLCRFQQNFYDWFVCQGISRLRPL	3.5	4.1	1.1	3.6	0.3	
H2CA-2-B3-IGFR	PPLASDLDVQFYGWFVQQVSPPGRGG	7.7	3.8	1.0	3.6	0.3	
H2CA-2-B2-IGFR	GAPVDQLHEDFYDWFVRQVSQAATG	4.1	3.4	1.0	3.5	0.3	
H2CA-3-D4-IGFR	RSASGSLPEQFYDWFVRQVSLSGTDK	17.6	13.8	4.1	3.4	0.3	
H2CA-4-F2-IGFR	SRVTTVFHENFYDWFVRQLSDSAISG	9.3	12.8	4.2	3.0	0.3	
H2CA-3-D11-IGFR	DERGGKFREDFYDWFVRQVSESRFGQ	12.2	6.9	2.3	3.0	0.3	
H2CA-4-H9-IGFR	RGAVAGFHDQFYDWFDRQVSRVHKFG	8.7	5.6	1.9	3.0	0.3	
H2CA-2-B11-IGFR	AICDAGFHEHFYDWFALQVSDCGRQS	11.9	4.6	1.6	3.0	0.3	
H2CA-3-E8-IGFR	LGYQEPFQQNFYDWFVRQVSGAENAG	13.2	6.3	2.2	2.9	0.3	

Figure 1L

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		Ratios over	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	IGFSR	IR IR	IGFR/IR IR/IGFR	R/IGFR
Design	XXXXXXFHENFYDWFVRQVSXXXXXX	1	!	;	!	1
H2CA-3-E6-IGFR	WRGHGTFHEDFYDWFVRQVSGSGSST	15.7	8.7	3.1	2.8	0.4
H2CA-4-F4-IGFR	GGRVGVLHENFYDWFDRQVSLRGADG	11.5	7.4	3.0	2.5	0.4
H2CA-3-D10-IGFR	CNLTAGFHEQFYHWFAIQVCGDAENA	9.4	6.8	2.9	2.3	0.4
H2CA-3-E1-IGFR	ERGEDMFHENFYDWFVRQISGRQGGG	12.5	6.4	2.8	2.3	0.4
H2CA-2-B6-IGFR	TNQGVGFYDSFYGWFVRQIQYGVDSG	18.0	6.5	2.7	2.3	0.4
H2CA-3-E11-IGFR	HLADGQFHEKFYDWFERQISSRCNDC	4.7	2.2	1.0	2.2	0.5
H2CA-4-H2-IGFR	QTFGKSLHENFYDWFVRQVSREEGGD	9.6	6.6	4.8	2.1	0.5
H2CA-3-C11-IGFR	FRTLAAQHDSFYDWFDRQVSGAAGER	9.3	3.3	1.6	2.1	0.5
H2CA-2-B8-IGFR	SASTHQFHENFYDWFVRQVSGAQKIL	14.6	7.9	3.9	2.0	0.5

Figure 1L (Con't)

		Ratios ove	Ratios over Background	pur	Comparisons	isons
Clone	Sequence	E-Tag	IGFSR	프 :	IGFR/IR	IR/IGFR
Design Parental	VIFTSAVFHENFYDWFVRQVS	29.8	17.5	16.3	1.1	6.0
H2CBα-3-B12-IR	QSDSGTVHDRFYGWFRDT*A	26.0	1.3	20.4	0.1	16.0
H2CBα-3-D2-IR	WIDVDGFHSGFYRWFQNQWER	20.6	1.7	12.1	0.1	7.0
H2CBα-3-D12-IR	VASGHVLHGQFYRWFVDQFAL	24.6	2.1	14.0	0.1	6.7
H2CBα-3-H5-IR	QARVGNVHQQFYEWFREVMQG	16.7	2.4	15.1	0.2	6.3
H2CBα-3-B6-IR	VGDFCVSHDCFYGWFLRESMQ	31.4	2.5	13.9	0.2	9.5
H2CBα-3-G11-IR	SGSRPVFHEQFYEWFVDQLG	22.7	1.4	6.4	0.2	4.7
H2CBα-3-A6-IR	QFSAGAFHGDFYGWFRALYNG	25.9	1.7	7.1	0.2	4.3
H2CBα-3-B1-IR	SRFDERLHHQFYEWFRVLNEP	33.4	6.0	25.5	0.2	4.3
H2CBa-3-F8-IR	DSVNSDLHRAFYGWFAEQWRA	23.0	4.8	19.8	0.2	4.1
H2CBα-3-E11-IR	GSVDREIHGPFYSWFSEQLWG	14.0	2.2	8.5	0.3	4.0
H2CBα-3-G4-IR	SAKTPVLHDGFYMWFEAQSES	24.9	2.2	6.9	0.3	3.2
H2CBα-3-D3-IR	LVVGRRFHQSFYDWFVAAAGG	23.6	5.6	8.0	0.3	3.1
H2CBα-3-C1-IR	IMWPCTFQDPFYCWFQTEQGR	27.0	5.6	16.4	0.3	2.9
H2CBα-3-C3-IR	VVGPLDIHERFYGWFHQQGGA.	23.3	1.1	3.1	0.4	2.8
H2CBα-3-G3-IR	VVPKAGFHEAFYEWFRRQDRD	23.7	6.7	17.6	0.4	2.6
H2CBα-3-E4-IR	QSFVTSVHTRFYAWFASALEM	28.8	8.3	21.9	0.4	2.6
H2CBα-3-G5-IR	SRGLGLYHSGFYGWFERQFNQ	26.7	7.0	17.2	0.4	2.5
H2CBα-3-B11-IR	GADTGAVHRRFYLWFEQLSGG	28.0	9.8	19.4	0.4	2.3
H2CBα-3-A1-IR	PGNRPTFHAEFYRWFREAQGS	31.3	11.3	24.9	0.5	2.2
H2CBα-3-H1-IR	VAVAWGLHESFYAWFENQFSD	27.2	10.6	23.9	0.4	2.2
H2CBa-3-F12-IR	GFNTGTFHDQFYYWFWEAAGG	21.1	6.1	12.7	0.5	2.1
H2CBα-3-H7-IR	GDGLTAFHQGFYEWFDIQMYG	21.0	7.6	19.1	0.5	2.0
H2CBα-3-C12-IR	VGVNR <u>O</u> FHTRFYAWFDEQLGG	26.0	12.7	24.7	0.5	1.9

Figure 1M

		Ratios ove	Ratios over Rackoround	pui	Comparisons	isons	
Clone	Sequence	E-Tag	IGFsR	ĸ	IGFR/IR	IR/IGFR	
Design	XXXXXXFHXXFYXWFXXXXXX	:	;	:	:	1	
H2CBa-3-D11-IR	GPRGQRLHDAFYSWFDALRVN	27.8	13.0	24.8	0.5	1.9	
H2CBa-3-H12-IR	LGTLAVFHELFYGWFERQLGG	27.4	7.2	12.4	9.0	1.7	
H2CBa-3-A10-IR	LGGYCGFNCQFYRWFDNLADR	27.1	13.2	22.3	9.0	1.7	
H2CBa-3-A5-IR	FSGWADYQSGFYQWFAEELAN	28.3	16.1	28.1	9.0	1.7	
H2CBa-3-C4-IR	WGPFSVFDESFYRWFAQASDD	30.7	17.2	29.5	9.0	1.7	
H2CBα-3-B8-IR	PRNEGLVHGLFYDWFQRALSG	25.6	11.3	18.6	9.0	1.6	
H2CBa-3-H11-IR	DEGGAPLDVMFYRWFEQAVRG	28.8	14.0	22.4	9.0	1.6	
H2CBα-3-E10-IR	QSGNRGSHGAFYSWFRDVLAN	27.7	14.3	23.0	9.0	1.6	
H2CBα-3-C2-IR		28.4	17.0	26.7	9.0	1.6	
H2CBa-3-F6-IR	SEERKKVHSQFYSWFDRQLLG	27.3	14.5	21.8	0.7	1.5	
H2CBα-3-D4-IR	PSPNAPFHGGFYDWFDWVQGS	29.0	18.9	27.1	0.7	1.4	
H2CBα-3-A7-IR	FHRPGSFNTNFYQWFDDQMNQ	29.1	19.4	26.9	0.7	1.4	
H2CBα-3-H4-IR	SDDSSTLNGRFYTWFHMQLLD	27.2	20.1	27.9	0.7	1.4	
H2CBα-3-B7-IR	QRGGGGFHEGFYSWFRSQSLL	28.6	18.0	23.6	0.8	1.3	
H2CBα-3-F9-IR	SGSRPVFHEQFYEWFVDQLGL	26.1	19.1	24.3	0.8	1.3	
H2CBα-3-H6-IR	GGSSQAFHGAFYEWFSAQLRG	24.8	21.6	27.3	0.8	1.3	
H2CBα-3-F5-IR	AFVSERVNQRFYDWFRDQMRS	29.4	22.0	27.8	0.8	1.3	
H2CBα-3-A2-IR	VRHPTRFHDEFYRWFTEQLTT	30.7	22.5	29.1	0.8	1.3	
H2CBa-3-F3-IR	ARLLNI FDRGFYNWF <u>O</u> RQLDE	16.3	6.7	9.0	0.7	1.3	
H2CBα-3-G6-IR	PSLSSNLHESFYRWFDQLVST	24.9	21.0	24.4	0.9	1.2	
H2CBa-3-G7-IR	FAFGLGFHQGFYDWFAHQLEG	24.4	18.7	23.0	0.8	1.2	
H2CBα-3-C5-IR	VSATVMLHREFYDWFGLQLLD	26.4	21.2	25.4	0.8	1.2	
H2CBα-3-G1-IR	GGVSGVLHDRFYSWFERQLAG	26.9	21.5	26.3	0.8	1.2	
H2CBα-3-E3-IR	GLGIASFHEGFYSWFTAQLGA	24.2	17.2	19.3	0.9	1.1	

Figure 1M (Con't)

		Ratios ove	Ratios over Background	pur	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	띰	IGFR/IR	IRJIGFR	
Design	XXXXXXFHXXFYXWFXXXXXX	:	1	1	;	;	
H2CBα-3-A9-IR	RVDAAALNAGFYEWFRGVIQG	30.5	21.7	24.1	0.9	1.1	
H2CBα-3-C11-IR	GGAGRSFHDAFYEWFERQMAG	26.4	21.8	23.2	6.0	1.1	
H2CBα-3-B4-IR	EGARQGFHARFYSWFAQQLAL	30.9	22.0	24.3	6.0	1.1	
H2CBα-3-F11-IR	VLLPGVVHGGFYDWFSRQLSS	24.5	22.5	23.9	6.0	1.1	
H2CBα-3-G10-IR	GALSDRYNNVFYDWFREQLLG	28.3	23.6	27.1	0.9	1.1	
H2CBα-3-D7-IR	PDSFMSLHQRFYSWFQAQVGT	31.4	23.6	25.3	0.9	1.1	
H2CBα-3-E2-IR	RVYKANFHNEFYGWFREQLLG	26.8	24.0	25.7	0.9	1.1	
H2CBα-3-B5-IR	HSGMRDVHARFYSWFSEQLSG	28.7	25.0	26.4	6.0	1.1	
H2CBα-3-C7-IR	ARLLERFQDPFYEWFETLMGD	30.0	25.2	28.7	6.0	1.1	
H2CBα-3-G9-IR	RNSSGNFHDKFYNWFEAQLKG	27.8	25.2	26.7	6.0	1.1	
H2CBα-3-A12-IR	GSMSPVFNDQFYGWFRDLVDE	28.0	26.4	28.7	0.9	1.1	
H2CBα-3-C9-IR	SCTGRQFDGCFYAWFEDQLVG	32.1	28.7	31.9	6.0	1.1	
H2CBα-3-B10-IR	GIAVQSLHDSFYRWFDNALGS	33.5	30.8	33.2	6.0	1.1	
H2CBα-3-E1-IR	IGPPGSLHRGFYDWFAEQVEA	31.7	30.5	29.0	1.1	1.0	
H2CBα-3-G12-IR	GAAGISFHRGFYDWFAAQVRD	29.1	31.4	29.8	1.1	1.0	
H2CBα-3-F7-IR	GVDVTDFHKDFYSWFQRQLNG	23.2	20.7	20.3	1.0	1.0	
H2CBα-3-G8-IR	WAGRAGIHGGFYEWFNRQLRG	22.8	20.9	20.4	1.0	1.0	
H2CBa-3-C6-IR	LGQLAAFHLGFYEWFSEAVAA	26.7	21.2	22.0	1.0	1.0	
H2CBα-3-H9-IR	VHSVSRLNVGFYQWFQDQLSG	23.4	22.5	22.0	1.0	1.0	
H2CBα-3-H8-IR	LGLMAIFDRGFYGWFEQQLSG	23.5	23.4	23.2	1.0	1.0	
H2CBα-3-F2-IR	VARGSSLHDDFYEWFASQLRT	25.5	24.3	25.2	1.0	1.0	
H2CBα-3-D5-IR	LGYIGALNT <u>Q</u> FYSWFADLVGS	26.7	24.5	25.6	1.0	1.0	
H2CBα-3-D10-IR	EDSRLRLHEGFYGWFRKQLGD	26.8	24.9	24.9	1.0	1.0	
H2CBα-3-F10-IR	GRDNMKFHSGFYDWFTQQLAG	25.7	25.6	26.1	1.0	1.0	

Figure 1M (Con't)

		Ratios ove	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFsR	띪	IGFR/IR	IR/IGFR
Design	XXXXXXFHXXFYXWFXXXXX	!	:	:	:	;
H2CBα-3-D6-IR	AGVMGGFHQEFYLWFERALSN	27.9	26.0	25.8	1.0	1.0
H2CBα-3-H3-IR	AGHVGQVYDGFYGWFREQLGA	27.0	26.9	26.2	1.0	1.0
H2CBα-3-F4-IR	FVQNIGFDYDFYGWFVREVEK	31.2	27.2	27.7	1.0	1.0
H2CBα-3-E9-IR	PVGIGGLHRAFYQWFQSQVDA	31.6	27.7	28.2	1.0	1.0
H2CBα-3-H10-IR	GSRQEADHQAFYDWFNLVLGV	26.9	27.9	28.8	1.0	1.0
H2CBα-3-G2-IR	AGGRKPFHDDFYGWFRDQLAE	29.1	28.1	28.8	1.0	1.0
H2CBa-3-B2-IR	DLASHGFHDAFYNWFSVQLNS	29.4	28.1	28.2	1.0	1.0
H2CBα-3-E8-IR	GSNGGCVHGQFYAWFVEALSG	31.5	28.4	29.1	1.0	1.0
H2CBα-3-E5-IR	RGRASTFHDGFYGWFSQQLRF	33.0	28.7	28.9	1.0	1.0
H2CBa-3-E6-IR	SPARRVSHHDFYGWFAKQLES	29.6	29.0	28.1	1.0	1.0
H2CBα-3-E7-IR	SSDVGAFHSAFYDWFKAQLSG	30.4	30.2	30.2	1.0	1.0
H2CBa-3-C8-IR	PTVHRAFDDLFYGWFAKQVED	31.9	31.2	31.5	1.0	1.0
H2CBα-3-A4-IR	SSNTVGLDERFYAWFVDQLGA	32.2	31.9	32.6	1.0	1.0
H2CBα-3-D1-IR	PGAAEGFHSAFYDWFAQAVSG	32.9	32.5	31.5	1.0	1.0
H2CBa-3-B9-IR	MRSEASFHVEFYSWFEEQLRS	33.2	33.8	33.3	1.0	1.0
H2CBα-3-D8-IR	VSRYGGQQDGFYHWFSDLLKG	26.3	20.2	19.1	1.1	6.0
H2CBα-3-F1-IR	RPSSGGLHYGFYHWFRVQEEM	28.8	28.0	26.4	1.1	6.0
$H2CB\alpha-3-A11-IR$	SNIEEHFHMQFYRWFSDALGN	20.5	21.5	17.7	1.2	0.8
H2CBα-3-A3-IR	ANDCLGLHAGFYGWFACQLGG	30.4	29.6	21.8	1.4	0.7

Figure 1M (Con't)

		Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR	IR/IGFR	
Design	XXXXXXEHXXEYXWEXXXXX	:	•	!	;	!	
H2CBβ-3-E8-IR	TGHRLGLDEQFYWWFRDALSG	15.9	1.9	11.8	0.2	6.1	
H2CB }-4-F8-IR	VLTSNTLHQRFYSWFAAARRE	13.4	0.8	2.6	0.3	3.4	
H2CBβ-3-C4-IR	CVAQGGFQSSFYCWFAGLDID	21.1	1.3	4.0	0.3	3.1	
H2CB()-3-D5-IR	NGQSSRFHTAFYDWFAAQLSG	14.0	3.3	10.2	0.3	3.1	
H2CB()-3-E6-IR	SVPRGTVHDAFYQWFREVALG	5.7	0.7	2.1	0.3	3.1	
H2CBβ-4-G12-IR	GARGSTFHDQFYEWFWVQLGD	6.8	1.8	5.4	0.3	3.1	
H2CBβ-4-F4-IR	PPGMNGFHTSFYSWFVDQLGD	17.9	1.9	5.6	0.3	3.0	
H2CBβ-4-F11-IR	AVGTLGYHSGFYRWFERQLGG	15.0	1.7	4.8	0.3	2.9	
H2CBβ-3-E5-IR	ELQARGVHRNFYRWFEAQVSG	17.0	1.8	5.0	0.4	2.8	
H2CBβ-4-F2-IR	HRVARAFHEQFYDWFEKAVSG	15.9	1.3	3.4	0.4	5.6	
H2CBβ-4-G4-IR	GAMEPDYHRSFYQWFAAALGE	8.7	1.4	3.5	0.4	2.6	
H2CBβ-3-C8-IR	CPDROSVDDRFYNWFADALAS	4.9	1.4	3.2	0.4	2.3	
H2CBβ-4-F10-IR	GGAQISFHERFYQWFLQEAAG	10.2	1.0	2.4	0.4	2.3	
H2CBβ-4-H4-IR	HKRGIVQHGAFYAWFDSLLSG	20.8	4.2	9.5	0.4	2.3	
H2CBβ-4-G6-IR	QASDNRSDGQFYLWFEKLLSS	14.5	5.6	8.5	0.7	1.5	
H2CBβ-4-H1-IR	DRGRMGVDEGFYNWFAR <u>Q</u> M <u>Q</u> E	17.0	10.1	13.2	0.8	1.3	

Figure 1M (Con't)

		Ratios ove	Ratios over Background	pur	Comparisons	isons
Clone	Sequence	E-Tag	IGFsR	R	IGFR/IR	IR/IGFR
Design	XXXXXXFHXXFYXWFXXXXXX	1	!	;	1	;
Parental	VTFTSAVFHENFYDWFVRQVS	29.8	17.5	16.3	1.1	6.0
H2CB-3-D2-IGFR	TASQECFDDGFYGWFRAWRCT	22.9	18.6	11.8	1.6	9.0
H2CB-3-C12-IGFR	SLDWRWSEEPFYRWFQRALAG	17.3	19.6	13.0	1.5	0.7
H2CB-3-B11-IGFR	CMSLSDCHRKFYGWFKSQGGE	24.6	17.1	11.9	1.4	0.7
H2CB-4-E2-IGFR	LALCRRSPGSFYGWFQAAVGC	22.4	21.0	16.5	1.3	0.8
H2CB-3-A5-IGFR	PRSATMSDGGFYWWFASQLGL	28.8	26.1	22.6	1.2	6.0
H2CB-4-G12-IGFR	LRRSSVFHDPFYE*ISRLVGG	23.7	23.8	19.4	1.2	0.8
H2CB-3-B2-IGFR	ARLQQQFHGGFYEWFRAQVSP	23.0	19.9	16.4	1.2	8.0
H2CB-3-D1-IGFR	AQLDNLCHEPFYSWFCAVTRE	21.5	19.5	15.7	1.2	0.8
H2CB-3-B6-IGFR	WICDTAFHQDFYQWFCDKLGV	16.3	4.5	3.7	1.2	0.8
H2CB-4-F7-IGFR	GKEGFGLDRDFYWWFREQLGP	22.0	19.0	18.0	1.1	6.0
H2CB-4-G8-IGFR	GRAPSSFDCDFYCWFRNQVQS	20.2	18.6	16.5	1.1	6.0
H2CB-3-D4-IGFR	DVEAETQHRLFYAWFLSQLGS	21.9	18.3	16.9	1.1	0.9
H2CB-3-D5-IGFR	ISVTAVFHDGFYGWFNEQVSK	21.4	17.9	16.4	1.1	6.0
H2CB-4-E6-IGFR	NSEHGRLDVDFYGWFARVIQQ	19.6	15.8	14.8	1.1	6.0
H2CB-3-C2-IGFR	GPLGDGCQDGFYGWFMCQVST	18.8	12.2	10.8	1.1	6.0
H2CB-3-A6-IGFR	KRSAYNFHDPFYDWFRMQLSG	26.8	29.0	28.1	1.0	1.0
H2CB-4-H12-IGFR	ASEPGGYLDPFYGWFREQLRA	23.9	28.3	28.1	1.0	1.0
H2CB-3-B10-IGFR	NRGDGGVHSGFYNWFRLQLSG	27.1	27.5	27.3	1.0	1.0
H2CB-4-F11-IGFR	ASKGSSLHNDFYGWFAQQLAR	25.5	25.5	24.6	1.0	1.0
H2CB-4-G11-IGFR	ANVSMWIQVGFYDWFDAQLRQ	25.3	25.4	.25.3	1.0	1.0
H2CB-4-E12-IGFR	RTSPGSLHDPFYDWFQQQLGG	27.8	24.9	24.7	1.0	1.0
H2CB-4-G10-IGFR	PGVMSSFHGGFYSWFREQLNG	25.1	24.6	24.2	1.0	1.0
H2CB-3-B9-IGFR	CLANSEDHDSFYGWFCQALGG	25.6	23.3	23.7	1.0	1.0
H2CB-3-B7-IGFR	GGSMGGMHGSFYEWFALQLRS	24.0	23.2	23.5	1.0	1.0
H2CB-4-H4-IGFR	RPQGGSIHAGFYQWFRDAVAG	23.5	23.1	23.8	1.0	1.0

Figure 1N

		Ratios ove	Ratios over Background	pun		sons
Clone	Sequence	E-Tag	IGFsR	꼼	IGFR/IR II	IR/IGFR
D sign	XXXXXXFHXXFYXWFXXXXXX	;	;	:	:	;
H2CB-4-H10-IGFR	GALSSLFDAAFYDWFNRQLEG	21.9	22.4	23.3	1.0	1.0
H2CB-4-H5-IGFR	KVDLRGFHDGFYGWFARQLAG	22.3	22.3	21.6	1.0	1.0
H2CB-4-G7-IGFR	CSGLQRCHDSFYSWFESVVRE	23.1	21.6	20.6	1.0	1.0
H2CB-4-F4-IGFR	DSLGISFHEGFYDWFRRQLDM	21.3	20.9	21.3	1.0	1.0
H2CB-3-D8-IGFR	SGVFNGTFYDWFRIQLGE	20.0	20.5	21.6	1.0	1.0
H2CB-4-E4-IGFR	GYREMRSDLGFYQWFRDQLGL	21.6	20.5	21.2	1.0	1.0
H2CB-4-E5-IGFR	SVFMQHDHVGFYAWFRSLMEE	22.0	19.9	20.9	1.0	1.0
H2CB-4-E8-IGFR	FRHITEVDRSFYGWFVEQLRG	21.1	19.7	20.7	1.0	1.1
H2CB-3-D12-IGFR	WAGGSDVDGSFYDWFQRLLAS	26.6	17.3	16.8	1.0	1.0
H2CB-4-G9-IGFR	GLONVSFHSGFYEWFAROVSO	21.6	14.5	15.2	1.0	1.1
H2CB-3-C8-IGFR	SRVSDPYHVGFYQWFEEVVRG	20.8	13.4	13.9	1.0	1.0
H2CB-3-A12-IGFR	MGGATFFHTGFYDWFAAQLQH	28.6	27.5	29.5	6.0	1.1
H2CB-3-B12-IGFR	RPASRPFHSGFYQWFADQLSH	27.8	25.2	27.1	6.0	1.1
H2CB-3-A9-IGFR	GLAPGNFHEDFYRWFQEQTLG	27.7	24.3	25.7	6.0	1.1
H2CB-3-A3-IGFR	TAAISDFNSLFYGWFEQLLSS	26.9	24.1	26.5	6.0	1.1
H2CB-3-B4-IGFR	LDEDLPQHAGFYGWFAEALGV	25.8	23.8	25.3	6.0	1.1
H2CB-4-E7-IGFR	ASHKSAFDDNFYRWFSMQLRD	24.6	21.6	24.0	6.0	1.1
H2CB-4-G6-IGFR	HTGAGDLHGAFYNWFLEQLGG	22.4	21.1	23.0	6.0	1.1
H2CB-4-E9-IGFR	RRGRDGFHGGFYDWFAAQLSD	24.3	20.7	22.0	6.0	1.1
H2CB-4-H2-IGFR	GNFREAFHADFYSWFERQLQS	21.6	20.5	21.9	6.0	1.1
H2CB-3-A10-IGFR	RDTLPAFHQHFYQWFEKQVSA	24.3	19.9	21.5	6.0	1.1
H2CB-3-C4-IGFR	ERETAAFGQAFYQWFRDQIAG	23.1	19.2	22.0	6.0	1.1
H2CB-3-B5-IGFR	WGEGGGFYDWFYDQLGWEPSH	24.2	18.8	20.7	6.0	1.1
H2CB-4-G4-IGFR	SLVAADLHEGFYGWFRSQLGG	21.7	18.7	21.2	6.0	1.1
H2CB-3-D9-IGFR	TSEVGDFHAEFYSWFEIQLGR	24.4	18.6	20.0	6.0	1.1
H2CB-3-C3-IGFR	TGADGLLHARFYAWFEEQLRE	20.3	18.4	21.1	6.0	1.1
H2CB-3-D3-IGFR	RRSDSSLHRSFYDWFSVQLLN	22.5	18.3	21.3	6.0	1.2
H2CB-4-F2-IGFR	SESKYLLHSGFYGWFEAQLRG	18.0	16.8	18.3	6.0	1.1

Figure 1N (Con't)

		Ratios ove	Ratios over Background	pur	=	risons	
Clone	Sequence	E-Tag	IGFSR	꿈	IGFR/IR	IR/IGFR	
Design	XXXXXXFHXXFYXWFXXXXXX	:	:	:	:	:	
H2CB-4-H1-IGFR	HGVIRADHTGFYGWFSKQLSD	18.3	15.3	16.5	0.9	1.1	
H2CB-4-F9-IGFR	LINA.VFRRGFYAWFEEQVSK	22.9	14.4	15.3	0.9	1.1	
H2CB-4-E10-IGFR	LQRYIGFHDPFYDWFSRALSG	26.1	20.1	24.5	0.8	1.2	
H2CB-4-F8-IGFR	MRTAELFHVGFYDWFDAQLMD	21.5	14.8	19.0	0.8	1.3	
H2CB-3-A8-IGFR	WAPPDALHGQFYRWFQRQLDQ	20.7	14.7	18.2	0.8	1.2	
H2CB-4-F1-IGFR	AVHAATFHDDFYRWFEQVVGS	22.2	14.6	18.8	0.8	1.3	
H2CB-3-C6-IGFR	FDAVHGFDGGFYGWFKRELQR	15.7	7.8	10.2	0.8	1.3	
H2CB-4-E11-IGFR	QAGGMEFHGAFYNWFLQQLSG	26.1	17.6	24.1	0.7	1.4	
H2CB-3-D6-IGFR	GRSVSRMNAEFYQWFGHQLAA	21.6	13.0	18.8	0.7	1.5	
H2CB-4-F3-IGFR	AAVNSLFHDEFYLWFQDQLDG	17.3	11.1	16.4	0.7	1.5	
H2CB-3-A4-IGFR	QLGMDWFHADFYEWFLAQLPS	27.4	11.0	14.8	0.7	1.3	
H2CB-3-B1-IGFR	RLAGSGIHEGFYGWFVDQLLA	20.0	11.0	15.2	0.7	1.4	
H2CB-3-C5-IGFR	GREIGGVHDGFYDWFRQQSEQ	19.9	10.5	15.6	0.7	1.5	
H2CB-4-F6-IGFR	VRSEQRFDSSFYQWFNDLLMS	18.6	10.1	14.6	0.7	1.4	
H2CB-3-B8-IGFR	QSPYGFFHDGFYRWFLQQTGM	20.7	6.9	9.5	0.7	1.4	
H2CB-3-C7-IGFR	FOCGAAFHVDFYRWFTCQEQF	16.2	1.8	2.5	0.7	1.4	
H2CB-4-H7-IGFR	GAFGSEFHEQFYRWFEDALSF	21.8	14.1	22.7	9.0	1.6	
H2CB-4-F5-IGFR	EHTSYQIHROFYEWFDRALGR	12.9	4.0	7.2	9.0	1.8	
H2CB-4-G1-IGFR	SGTAADLHSRFYGWFALQARE	20.4	10.3	19.7	0.5	1.9	
H2CB-3-D11-IGFR	EGFGVLFHGQFYRWFQLQLDG	24.1	8.8	18.6	0.5	2.1	
H2CB-3-D7-IGFR	QOSAGHPHSSFYLWFSELLGA	22.1	6.5	13.6	0.5	2.1	
H2CB-3-C10-IGFR	YLQRAGFHRSFYGWFDQALRD	21.7	5.1	10.4	0.5	2.0	
H2CB-4-E3-IGFR	MWLWATLHSDFYSWFEQVVSG	20.3	4.6	8.9	0.5	1.9	
H2CB-3-C1-IGFR	GANALGFKDRFYEWFAAQLWD	22.3	6.7	15.7	0.4	2.3	
H2CB-4-G2-IGFR	GSGLYVFHWGFYDWFEQQMGG	19.9	3.3	10.7	0.3	3.3	
H2CB-3-A11-IGFR	LDKGWGFDLQFYRWFEAATRA	23.9	2.5	7.7	0.3	3.1	
H2CB-4-G5-IGFR	QRSAVEFHADFYDWFLRLLTP	19.3	2.5	7.9	0.3	3.1	
H2CB-4-F12-IGFR	D <u>O</u> RMGSFHGEFYRWFEETLLS	16.7	1.7	5.4	0.3	3.1	

Figure 1N (Con't)

		Ratios ove	Ratios over Background	pun	Comparisons	risons
Clone	Sequence	E-Tag	IGFsR	R	IGFR/IR	IR/IGFR
Design	Xn-FyxWF-Xm	;	ţ 	;	;	:
20E2A-3-B11-IR	GRFYGWFQDAIDQLMPWGFDP	24.6	1.4	23.6	0.1	16.8
20E2B0-3-E3-IR	IOGWEPFYGWFDDVVAQMFEE	23.0	6.0	15.3	0.1	16.3
rB6-3-F6-IR		40.9	1.0	13.3	0.1	13.3
rB6-4-F9-IR	RGRLGSLSTQFYNWFAE	34.1	1.0	12.6	0.1	12.6
20E2Ba-3-A8-IR	ASAYTPFYQWFADVVSEYMQQ	35.4	7.4	34.4	0.2	4.6
A6L-4-F6-IR	PYRMEGTEKWNFYDWFVAQLQ	28.9	4.1	18.1	0.2	4.4
20E2Ba-4-H9-IR	SAVHFQFYKWFDNLLPVPLSA	37.8	9.4	26.7	0.4	2.9
20E2Bα-3-B1-IR	VPVNKSFYRWFQLVLGGSDDW	41.8	12.9	36.8	0.4	2.9
20E2Bβ-4-F9-IR	QSPRASFYGWFDDVLRAAGVV	25.9	4.2	10.1	0.4	2.4
20E2Bβ-3-E9-IR	TGFYEWFYEQLHSRMLPNPLD	27.0	7.7	17.2	0.5	2.2
20E2Bβ-3-E10-IR	RRGVGGFYGWFSQQLQGMGVA	22.2	2.6	5.5	0.5	2.1
20E2Ba-3-C12-IR	SSQDRRFYRWFEQAIVGGRDG	39.0	6.7	12.0	9.0	1.8
20E2Bβ-3-C12-IR	TRGQLGFYNWFQQALSTSGMG	20.2	2.2	3.8	9.0	1.8
20E2Bβ-3-E7-IR	CADLNAFYQWFCGVLDRGSDH	9.5	1.2	1.9	9.0	1.6
20E2Bβ-3-E11-IR	TLIQDQFYWWFSDLLSAEPGD	20.7	1.3	2.1	9.0	1.6
20E2Bα-3-B11-IR	IDQLDAFYRWFDGVMLGMGDP	36.0	20.7	32.8	9.0	1.6
NNKH-4-G2-IR	RGGGTFYEWFESALRKHGAG	10.8	6.3	8.9	0.7	1.4
20E2Ba-3-A7-IR	RGLDQDFYRWFQNLVGVEYDR	19.0	4.2	5.5	0.8	1.3
20E2Ba-4-G12-IR	MQGHRGFYGWFARVLEQDRGW	37.0	22.3	29.5	0.8	1.3
20E2Ba-3-C11-IR	ERLHLRFYEWFDTVIGQDGSD	37.3	26.8	34.8	0.8	1.3
20E2Bα-3-C10-IR	MHVQSDFYHWFQSLLGQGGPD	37.7	24.8	30.5	0.8	1.2

Figure 10

		Ratios ove	Ratios over Background	pur	Comparisons	isons	
Clone	Sequence	E-Tag	IGFsR	씸	IGFR/IR	IR/IGFR	
Design	Xn-FyxWF-Xm	;	1	1	1	1	
20E2Bα-3-D7-IR	TMGTQGFYRWFQNVVKEHLSG	35.4	56.9	31.3	0.9	1.2	
20E2Bα-3-A12-IR	ITHNRGFYSWFLDVVQGGAGA	31.7	22.0	23.3	0.9	1.1	
20E2Bα-3-D10-IR	VRRDAGFYQWFADILTQLDFE	32.7	27.3	29.1	0.9	1.1	
20E2Ba-4-G7-IR	MQLQDEFYNWFRGIMLNDGQD	34.2	29.0	30.7	0.9	1.1	
20E2Bα-4-F5-IR	GIRSSGFYQWFDRVLAGVGDG	33.8	32.1	34.0	0.9	1.1	
20E2Bα-3-C9-IR	ANLNSQFYSWFASVTGEASPS	39.4	33.2	35.5	0.9	1.1	
20E2Bα-3-A4-IR	QSPRASFYGWFDDVLRAAGVV	38.2	31.6	35.9	0.9	1.1	
20E2Bα-4-E12-IR	MQRNQGFYSWFDDLVSSTVGV	36.0	30.8	29.7	1.0	1.0	
20E2Ba-4-E11-IR	ASGFDPFYAWFLEQLRVANGS	35.1	31.2	30.7	1.0	1.0	
20E2Bα-4-E8-IR	SGTPYGFYRWFQSALASATSG	36.1	30.5	30.7	1.0	1.0	
20E2Bα-4-H10-IR	QGVEGGFYEWFDRAMGDVRPW	38.9	30.6	30.7	1.0	1.0	
20E2Ba-4-F6-IR	DNMSGGFYRWFAQVVADSGGD	34.9	33.2	32.0	1.0	1.0	
20E2Bα-4-G4-IR	RGTDDTFYGWFDQLLQGWCDD	34.1	33.7	32.2	1.0	1.0	
20E2Ba-4-F8-IR	TVDHTQFYDWFSRVLGESGSA	37.7	32.0	32.7	1.0	1.0	
20E2Bα-4-G5-IR	GRQDREFYYWFELQAGGMDGD	34.9	33.9	33.4	1.0	1.0	
20E2Bα-3-B10-IR	RLLLGGFYEWFDQVLKETKEV	38.2	34.9	33.6	1.0	1.0	
20E2Bα-3-C7-IR	GVLSTGFYEWFALQLHGLAAG	37.6	34.2	34.8	1.0	1.0	
20E2Bα-3-C5-IR	PAVGQSFYGWFEAVLRGSKAG	40.4	36.0	35.6	1.0	1.0	
20E2Bα-3-B9-IR	SNGISGFYEWFAAQVQTSDFQ	39.6	35.8	37.1	1.0	1.0	,
A6L-4-F11-IR	LLGLSQAAYANFYDWFVSQLA	33.1	4.6	4.6	1.0	1.0	
20E2Bα-3-C2-IR	VPNSWMFYNWFAEQIEGSEGE	44.1	40.0	38.1	1.0	1.0	
20E2Bα-3-B2-IR	ARRADGFYDWFREQVSGSAVQ	43.1	40.1	39.0	1.0	1.0	
20E2Bα-4-G2-IR	GVVEGTFYEWFDRLLGGVQGD	34.1	33.6	29.8	1.1	6.0	
20E2Bα-4-H6-IR	SHLTDPFYQWFVDQLRAGVRG	39.4	36.0	31.9	1.1	0.9	

Figure 10 (Con't)

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		Ratios	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR		IGFR/IR IR/IGFR	IR/IGFR
Design	$X_n - FyxWF - X_m$	-	:	!	;	:
20E2Ba-4-H5-IR	RSNDDAFYRWFSNILQVDGGG	38.7	35.1	32.3	1.1	6.0
∴ 20E2Bα-4-G3-IR	DSDGAQFYIWFEDQLRSAGWD	35.5	36.1	32.7	1.1	6.0
20E2Bα-4-H4-IR	PGLHRAFYQWFAEAVRSANKE	38.8	37.9	35.0	1.1	6.0
20E2Bα-3-C1-IR	SLGQGGFYDWFASQVGGADI	43.7	42.1	39.0	1.1	6.0
20E2Bα-4-E6-IR	CGQTQSFYQWFCEVMRVESGD	38.0	34.3	29.7	1.2	6.0
H5-3-D5-IR	IVVPGDTQGVNFYDWFVKQLQ	43.8	3 21.8	18.2	1.2	9.0
JBA5-3-D9-IR	RDVSMGSASTNFYDWFVQQLG	38.3	1 29.8	25.3	1.2	0.8
20E2Bβ-4-G6-IR	SQAGSAFYAWFDQVLRTVHSA	22.4	6.2	1.9	3.3	0.3
20E2Bβ-4-H10-IR	SNGISGFYEWFAAQVQTSDFQ	23.5	32.2	9.7	3.3	0.3
rB6-4-G8-IR	RRDRGGLDVFFYQWFMD	;	1	1	:	;

Figure 10 (Con't)

		Katios ov	Latios over Background		Comparisons	lsons.	
Clone	Sequence	E-Tag	E-Tag IGFsR IR	R	IGFR/IR	IGFR/IR IR/IGFR	
Design	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	!	:	:	1	;	
R40-3-40H4-IR	SPRWGHWRPGGSLGKQPT	31.9	1.4	2.1	0.7	1.5	

FIGURE 2A

Sequence
CXXXXXX
AETPAQVGWNRLWSVWPGEHWNTVDPFYHKLSELLRESGA
RHLTNAELGVQSPEVLSRLFPDGDIFYRALSHLVRGMGPP
RGGMDRQWLDVGARHRLERRSVQDNTDDFYGGLRILVDGF
GPPDSFDVTEKGDMAILNVRFDPHSLDFNDQTFYFLLDSL
GGTYFRGQVAQSNESLLRVNFLQLLEALAASPPRT
APFDARLSAPRFQWSPRTWXQSLSYGEWSCGSFYDCLSSI
MGSSQFQDTRPSSGQAYSHSLDSDGWGTANWIFLRALEGL
SGAAHEGNQGRERSTHLAANINDHLPGDAGIWLGYSWLS

		Katios ove	er Backgroi	nua	Compar	Isons	
Clone	Sequence	E-Tag	E-Tag IGFSR IR IGFR/IR IR/IGFR	R	IGFR/IR	IR/IGFR	
Design	XXXXXXXXXXXXXXXXX	;		1	1	!	
R20a-4-20C11-IR	DRAFYNGLRDLVGAVYGAWD	43.7	30.8	3.0	10.3	0.1	
R20a-3-20E2-IR	FYDAIDQLVRGSARAGGTRD	46.3	46.3 39.9	3.1	12.9	3.1 12.9 0.1	
R20a-4-20A12-IR	RLFYCGIQALGANLGYSGCV	48.6	39.9	2.4	16.6	0.1	
R20ß-4-C6-IR	FYSALWGLCGVTGCG	18.5	18.5 28.9	4.3	6.7	0.1	
R200-4-A6-IR	RGQSDAFYSGLWALIGLSDG	9.3	9.3 25.9	1.5	1.5 17.3		

•		Ratios ov	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	.	IGFR/IR IR/IGFR	IR/IGFR	
Design	XXXXXXXXXXXXXXXXX	1	1 1	:	:	;	
R20-4-F11-IGFR	GFYELLGALVGERVRGTGNS	39.0	19.2	1	t i	1	
R20-4-C7-IGFR	ERTDPFYKALLSLLGGDGSG	33.4	17.5	:	1	!	
R20-3-F2-IGFR	DVQGNGSSGFYDGIFGLAWG	31.8	14.3	1	1	:	
R20-4-A11-IGFR	PFYVWIRDLLGPELPHTRGD	37.8	13.5	1	1	•	
R20-4-B12-IGFR	VLVVGGPLDPFYEGLHRLIS	37.2	10.0	1	1	•	
R20-4-B10-IGFR	GFYRLLNELVREGGALKVGA	37.0	9.5	1	1	;	
R20-4-E9-IGFR	GQRGFYELLSELLGHEGGVF	34.2	9.4	1	1	1	
R20-3-H4-IGFR	DWVSGPFYRGIELLSGFQIE	30.3	7.8	1	1	1	
R20-3-G2-IGFR	GGSLFYEGLLRLVLGDSVVG	20.8	6.9	!	1	1	
R20-4-B8-IGFR	LNHFYAMLSDLSGVRNIFPG	32.8	6.5	;	1 1	i i	
R20-4-E7-IGFR	LSGFYEGLFRLARRDGSGWG	35.4	6.4	:	!	!	
R20-4-G9-IGFR	FYDVLSALVGVELGEQGDAS	25.0	6.4	1	1		
R20-4-D9-IGFR	GAGSFGREGGFYEALMQLAG	23.4	6.3	!	1	!	
R20-4-D11-IGFR	DDEFYSQILKLVDGSRGGRSGTQN	31.3	4.0	:	1	1	
R20-4-G10-IGFR	PFYMLLSRLVGGVEQEGGL	13.6	3.3	i I	!	1	
R20-4-C8-IGFR	FYDAIDQLVRGSARAGGTRD	16.8	3.2	1	:	i I	

		Katios ov	Katios over Background	pun	Comparisons	SOUS	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR IR/IGFR	R/IGFR	•
Design	XXXXCXXXXXXXXXXXXXXXXX	!	1	:	!	!	
20C-3-G3-IGFR	TFYSCLASLLTGTPQPNRGPWERCR	33.1	32.3	1.2	27.0	<0.1	
20C-4-C7-IGFR	FFYDCLAALLQGVARYHDLCAVEIT	35.3	28.0	1.3	21.8	<0.1	
20C-3-F6-IGFR	DRDFCRFYERLTALVGGQVDGGWPC	33.5	26.1	1.9	14.1	0.1	
20C-3-A1-IGFR	SSYGCDGFYLMLFSLGLVASQELEC	26.5	20.8	1.5	13.7	0.1	
20C-3-A4-IGFR	QFYGCLLDLSLGVPSFGWRRRCITA	17.7	8.8	1.2	7.6	0.1	
20C-3-E4-IGFR	FFYRCLSRLLGGQLGSRLGLSCIGD	37.7	7.7	1.3	6.0	0.2	
20C-4-D11-IGFR	DLFYCMMMQLATAGVGGSLGGPVCG	33.3	17.2	6.1	2.8	0.4	
20C-4-F7-IGFR	CDFYCALSRLSGQPRDRMPNYPGTS	31.2	28.9	17.0	1.7	9.0	
20C-3-B2-IGFR	GSACDGFYACLHĀLVQGPGEW	37.7	35.2	30.9	1.1	6.0	

		Ratios ov	Ratios over Background	pune	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	ĸ	IGFR/IR	IR/IGFR	
Parental/Design	AETPAQVGWNRLWSVWPGEHWNTVDPFYHKLSELLRESGA	l I	;	1	;	1	
B6L-4-C8-IR	ANLRLR?VGNRL*SVWPGEQWNTVDP?YQKLYELVRESGA	40.5	6.1	40.8	0.2	6.7	
B6L-4-B7-IR	AETPAQVGWNRLWSVWPGEHWNIVDPFYHKLSELLRESGD	19.6	4.0	23.5	0.2	5.9	
B6L-3-H1-IR	AETPAHVC*TVGGLFGRVNTWNTVDPFYAKLSELLRESGA	20.6	2.8	2.7	0.9	1.1	
B6L-4-E12-IR	GONSGSAWDGISLWSVWPGDVWNPVDPFYHKLSELLRESGA	15.5	4.1	3.0	1.1	6.0	
B6L-4-D8-IR	AEAPAQVGWNLLQPGEHWITVDPFYNKLSELLRESGA	36.0	9.4	8.5	1.1	6.0	
B6L-4-F7-IR	AETPAQVGWNGLWSVWPGEH*NTVDPFYHKLSELLRESDG	37.8	24.6	20.6	1.2	6.0	
B6L-4-B11-IR	AETPAQVGQNGLWSVWPGEHWNTVDPFYQKLFELLRESGA	5.5	2.0	1.6	1.3	0.8	
B6L-4-B12-IR	AETPAQVGQNRLWSVWPGELWNTVDPFYHKLSELLRESGA	6.8	2.0	1.6	1.3	0.8	
B6L-4-B8-IR	T*QGETPAQVSLWPGEHWNTVDPFYHRLSELLRESGA	36.4	18.7	14.2	1.3	8.0	
B6L-4-E8-IR	QGETPAQIGWNPLWSGWPGEHWNTLDPFYRKLSELLRESGA	35.6	11.4	8.6	1.3	0.8	
B6L-3-G6-IR	VDTPAQVGWNRLWSVGPGEHWYTDDPFYH*LSELLRESGA	7.6	2.5	1.8	1.4	0.7	
B6L-3-G5-IR	AETSAQVGWQRLWSVWPGDHWSTLDPFYHKLSELLRESGA	11.5	2.0	1.4	1.4	0.7	
B6L-4-E10-IR	*NSPRVGWNGLWSVWPGEHWNTWDPFYNKLSELLRESGV	14.8	3.2	2.2	1.5	0.7	
B6L-4-F10-IR	AETPAQIGWNRLQSVWPGEYWNTVDPFYLKLSELLRESSP	26.2	11.5	7.2	1.6	9.0	
B6L-3-F3-IR	ADTPAQVSGNRLQSVWRGDPWNTVDPFYHKLSELLRESGA	36.0	17.1	10.1	1.7	9.0	
B6L-4-A7-IR	AGTPAQVG*NRLWSVWPGEHWNTVDPFYNKLSELLRESGA	11.6	3.4	1.9	1.8	9.0	
B6L-4-G8-IR	D*QAWSVWPGQHWNTIDPFYHKLSELLRESGA	30.4	11.2	5.9	2.0	0.5	
B6L-4-F8-IR	AETLARVGWNRMQSVWPGEHWNTVDPFYHKLSELLRESGA	35.6	12.8	7.2	2.0	0.5	
B6L-4-G7-IR	AATRPQVGWNRVWSVQPGEHWNTVDPFYHKLSELLRESGS	33.5	12.9	6.4	2.3	0.4	
B6L-3-F4-IR	LTTPAQVGWNRLQSVWPGEHWNSVDPFYHKLSELLGESGA	16.9	6.3	2.7	2.4	0.4	
B6L-3-H4-IR	ADNPAQVGWNRLWSVWPVEH*NTVDPFYHKLSELLRESGA	20.6	4.9	2.0	2.5	0.4	
B6L-3-A6-IR	AETPAQVGWNRLQSDWPGGHWNTLDPFYHKLSELLRESGA	22.4	6.3	3.2	3.2	0.3	
B6L-4-D7-IR	AETSVQVGWIRLQSVWPGEHWNTVDPFYHKLSELLRGSGA	14.3	4.8	1.4	3.4	0.3	
B6L-3-E2-IR	G*NSAHVGWNRLWSFWPGEHWNTVDPFYEKLSELLRVSGG	29.5	16.7	3.8	6.3	0.2	

FIGURE 2F

Clone	Sequence	Ratios ov E-Tag	Ratios over Background E-Tag IGFsR II	nd IR	Comparisons IGFR/IR IR/IG	risons IR/IGFR
Design	AETPAQVGWNRLWSVWPGEHWNTVDPFYHKLSELLRESGA	:	!	!	!	;
B6L-4-G6-IGFR	AETPAQVGGDRLWSVWPGEHWNTVDPFYHKLS?LLRESGA	7.3	22.1	1	:	1
B6L-4-G10-IGFR	AE?PAQVGWNRLWSVWPGE?WNTVDPFYLKLSELL?ESGA	5.5	21.8	1	;	;
B6L-4-G3-IGFR	AET?AQVGWNG?WSVWPGEHWNTVDPFYYKLSELLRESGA	5.8	18.1	!	;	:
B6L-3-F10-IGFR	AETPAQVQWNRLWSVWPKDHWNTVDPFYHKLSELLRESGA	6.7	17.4	:	:	:
B6L-4-D2-IGFR	AETRAQVGSNRVWSVWPGEHWNTVDPFYHKLSELLRESGA	6.5	15.9	:	:	1
B6L-3-H10-IGFR	AETPAQVGWNRLWSVQPGSDWNTVDPFYHKLSELLRESGA	5.9	15.2	:	;	:
B6L-4-B12-IGFR	DETSAQVGWNRLWSDWPGEQWNTLDPFYHKLSELLRESGA	6.3	14.8	:	;	:
B6L-3-A9-IGFR	GETPAQVGWNRLWSVWPAEHWSTVDPFYHKLSELLRESGA	5.2	14.8	!	1	1
B6L-4-C4-IGFR	AETAAQVGWNRLQSVWPGEHWNSVDPFYHKLSELLRESGA	5.4	11.9	;	:	;
B6L-4-E3-IGFR	AEAPDQVGQNRLWSVWPGEHWNTVDPFYDKLSELLRESGA	4.4	11.1	:	t 1	;
B6L-4-A12-IGFR	PETPAQVGGNRLQSGWPGEHWNTVDPFYHKLSELLRESGA	3.0	10.4	:	;	:
B6L-4-D5-IGFR	AQTPAQVGWNYRLSSVWPGEHWNTVDPFYHKLSELLRESGA	4.7	10.3	1 8	•	:
B6L-3-A10-IGFR	AETPAQVGWNRLWSVQPGEHWNTVDPFYHKLSELLRQSDA	10.9	9.7	1	:	:
B6L-3-B9-IGFR	AETPAQVGWNRLWSVWPGEH*NTVDPFYHKLSELLRESGA	2.9	9.1	:	:	!
B6L-3-H9-IGFR	AETPAQVGWNSLQSVWPGEHWNT?DPFYHKLSELLRESGA	4.5	8.8	1	:	;
B6L-4-A5-IGFR	AESPAQVGSNRLQSVWSGEHWNTVDPFYHKLSELLRESGA	2.4	8.0	; ;	!	:
B6L-3-H11-IGFR	AETPAQVGQYRLSSVWPGEHGNTVDPFYHKLSELLRESGA	4.2	7.5	•	1	;
B6L-3-G10-IGFR	AETPAQVGWNRLWSVWPGEHWNTIDPFY*KLSELLRESGA	2.5	7.4	:	:	;
B6L-4-D4-IGFR	DETPAHVGWNRPQSAWPGERWNTVDPFYHKLSELLRESGA	2.4	6.8	!	!	;
B6L-4-F11-IGFR	AGTPAQVGWNRLRSVQPDEHWNTVDPFYHKLSELLRESGA	2.1	6.4	!	:	:
B6L-4-F12-IGFR	AETPAQVGWQRLWSVWPGEHWNP?DPFYRKLSELLRESGA	2.7	5.9	1	;	;
B6L-4-E12-IGFR	AETPAQVGWNRLQSVWPGEHWNTVDPFYHKLSELLRESGA	1.9	3.9	!	;	;
B6L-4-E10-IGFR	AETPAQVGWNRLWSVQPGEHWNTVDPFYHKLSELLRESGA	1.8	3.6	;	1	;
B6L-3-G9-IGFR	AETPAQVGWNRLWSVWPGEHWNTVDPFYHKLSELLRESGA	1.2	2.5	:	:	:

		Ratios ove	Ratios over Background	pun	Comparisons	risons
Clone Design	Sequence OOUUUUUUUJJJJJDPFYHKLSELXXOO	L-1 ag	i Gršk	≚ :	GFKIR -	IKIGFR
B6Hα-3-F5-IR	GGAVAAAVVGSRADPFYHKLSELVQGS	42.7	9.6	17.9	0.5	1.9
B6Hα-2-D10-IR	SGGGQQRKAIATSDDPFYHKLSELLLGG	20.8	1.7	1.1	1.5	9.0
B6Hα-3-F1-IR	CSMAAVAEAGDDDDPFYHKLSELCQGS	22.5	2.4	1.3	1.8	0.5
B6Hα-3-E6-IR	CGAKMTGTPNDPFYHKLSELLQRG	18.2	2.3	1.2	1.9	0.5
B6Hα-1-B8-IR	CCVEAEEAVGRRGDPFYHKLSELTGCC	44.6	5.2	2.1	2.5	4.0
B6Hα-2-D5-IR	SRVVTMVIKRGSPDPFYHKLSELVQGR	39.6	2.3	0.9	5.6	0.4
B6Hα-1-B3-IR	GCITAENGAGDPFYHKLSELGGCS	33.1	3.2	1.1	2.9	0.3
B6Hα-3-E5-IR	RCGDEEGWQENRRDDPFYHKLSELFGGC	28.8	2.9	1.0	2.9	0.3
B6Hα-4-H9-IR	GCEVIAAEGRRDDPFYHKLSELCQGG	17.4	6.4	2.1	3.0	0.3
B6Hα-2-D8-IR	SSETAKMVTGTRDDPFYHKLSELVQGS	19.3	3.0	1.0	3.0	0.3
B6Hα-3-E4-IR	WLCDGGWKQRRPPGDPFYHKLSELIDCG	43.1	8.7	2.8	3.1	0.3
B6Hα-3-F7-IR	SRVAATKEKRPSDDPFYHKLSELLQGS	41.5	3.1	1.0	3.1	0.3
B6Hα-1-A3-IR	SRAKVEAEMPDSGDPFYHKLSELLASG	37.4	2.6	0.8	3.3	0.3
B6Hα-4-H10-IR	GGAAKKTVVGSPDDPFYHKLSELLQGS	50.5	29.5	8.6	3.4	0.3
B6Ha-3-F6-IR	CGVGEQMEVTDDGDDPFYHKLSELLWSC	48.9	19.7	5.7	3.5	0.3
B6Hα-3-F3-IR	SGEQTATIEGPSNDPFYHKLSELIWGS	18.1	15.6	4.3	3.6	0.3
B6Hα-4-G8-IR	GGTKAVAKVGTRDDPFYHKLSELLQGS	32.3	6.1	1.7	3.6	0.3
B6Hα-2-D1-IR	GCEVIVEEGDSADPFYHKLSELCQGS	11.7	5.4	1.3	4.2	0.2
B6Hα-3-E7-IR	GCAVVEEAERSRGDPFYHKLSELIQGC	47.0	5.6	1.3	4.3	0.2
B6Hα-2-D6-IR	GRTMAVMAAGGPDDPFYHKLSELVQGG	33.5	4.4	1.0	4.4	0.2
B6Hα-3-F10-IR	GCVVEWQKWHGASDPFYHKLSELGGCS	47.2	8.8	1.9	4.6	0.2
B6Hα-3-E8-IR	RGKTAAVIVGRPADPFYHKLSELLQGG	47.6	5.3	1.1	4.8	0.2
B6Hα-2-C10-IR	SGAKVIVVTGDSGDPFYHKLSELLQGS	46.9	5.8	1.1	5.3	0.2
B6Hα-2-C7-IR	RGIVAMVEATEVGSDHDPFYHKLSELVQGS	45.1	6.7	1.0	6.7	0.1

		Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR	INIGFR	٠
Design	OOUUUUUUJJJJJDPFYHKLSELXXOO	:	1	;	;	i,	
B6Hα-1-A6-IR	GCKMEETETGTSDDPFYHKLSELCSGG	49.7	34.5	4.0	8.6	0.1	
B6Hα-2-C5-IR	RGEVATMEVPAGGDPFYHKLSELLWGS	42.6	34.2	3.3	10.4	0.1	
B6Hα-2-C4-IR	RCGRW*AEMGAGDDPFYHKLSELVCG	20.7	6.6	0.9	11.0	0.1	
B6Ha-2-C9-IR	RCMVETIAVGSGDDPFYHKLSELCQGG	47.4	32.6	2.8	11.6	0.1	
B6Ha-4-H8-IR	WWQKKSGDGASASDPFYHKLSELIWGS	36.3	28.1	2.4	11.7	0.1	
B6Hα-3-F11-IR	RGMKEEVLVGGSTDPFYHKLSELLQGS	49.5	18.7	1.6	11.7	0.1	
B6Hα-3-E9-IR	RCEEKQAEVGPSSDPFYHKMSELLGCR	44.6	24.2	1.7	14.2	0.1	
B6Hα-1-A2-IR	RGCNDDGGKGWSDDPFYHKLSELICGG	22.3	14.6	1.0	14.6	0.1	
B6Hα-1-B5-IR	CCTTEMVVMDARDDPFYHKLSELVTGG	41.5	20.5	1.0	20.5	0·0 _₹	
B6Hβ-3-G4-IR	GCKKVEAKKGNDADPFYHKLSELLQGC	36.4	28.4	36.0	0.8	1.3	
B6Hβ-3-A10-IR	RSMMAKAIVGGPGDPFYHKLYELQFGSR	36.7	27.9	34.7	0.8	1.2	
В6Нβ-3-D9-IR	CGGAVPDGDDPFYHKLSELMQGC	34.9	32.1	35.6	6.0	1.1	
В6Нβ-3-А3-ІК	GCEEVEAETTGHRDPFYHKLSELLQGC	36.3	33.7	37.3	0.9	1.1	
В6Нβ-3-G1-IR	GCAEIEIAAGGGGDPFYHKLSELLQGC	34.7	33.7	35.9	0.9	1.1	
В6Нβ-3-В3-ІR	GCAEVKAVKGAGDDPFYHKLSELLQGC	35.9	35.1	37.4	0.9	1.1	
B6Hß-3-G11-IR	GCAAVETTINGRNDPFYHKLSELLQGCR	37.6	36.2	39.0	0.9	1.1	
B6Hβ-3-F5-IR	CGEVTGRAGDPFYHKLSELLQGC	39.2	37.2	41.0	0.9	1.1	
B6Hβ-3-A1-IR	GCAMVEATEGRRHDPFYHKLSELI <u>Q</u> GC	41.3	38.0	43.0	6.0	1.1	
в6нβ-3-Н3-ІR	GCTEVVGSGDDPFYHKLSELLQGC	39.0	38.3	40.7	0.9	1.1	
B6Hß-3-D3-IR	G <u>Q</u> CAMEEIIRGANDPFYHKLSELCEGG	38.8	38.4	41.3	0.9	1.1	
в6нβ-3-С9-ІR	GCAEIVIEEGDDSDPFYHKLSELL <u>Q</u> GC	36.7	39.5	41.5	0.9	1.1	
в6нβ-3-F1-IR	PQCSSIKAEGGSDDPFYHKLSELLVGC	41.5	40.0	42.2	6.0	1.1	
в6нβ-3-С6-ІR	GCAAVVAEASGDDPFYHKLSELLQGC	39.9	40.3	42.7	6.0	1.1	

;

Clone	Sequence	Ratios ove E-Tag	Ratios over Background E-Tag IGFsR II	und IR	Comparisons IGFR/IR IR/10	risons IR/IGFR
Design	OOUUUUUUUJJJJDPFYHKLSELXXOO	1	:	;	:	1
B6Hβ-3-D7-IR	RGVEMKAIVVGTPNDPFYHKLSELSSGS	39.5	27.1	26.3	1.0	1.0
B6Hß-3-B2-IR	CSAVKMAEAGDPSDPFYHKLSELCQGS	34.3	34.4	35.4	1.0	1.0
B6Hβ-3-G5-IR	RGGDGDPFYHKLFELMQSS	35.3	35.0	35.6	1.0	1.0
В6Нβ-3-Н1-ІК	WLCKROTHDPDPFYHKLSELAGCR	36.8	35.4	36.5	1.0	1.0
B6Hβ-3-A5-IR	SSKVVKATVGTPHDPFYHKLSELLQGS	34.9	35.5	35.9	1.0	1.0
В6Нβ-3-Н11-ІК	GCAAIAVATGNDNDPFYHKLSELLQGCR	37.7	36.4	37.6	1.0	1.0
В6Hβ-3-C2-IR	GCAAVVKETHDPPDPFYHKLSELLHGC	37.4	36.5	37.2	1.0	1.0
В6Нβ-3-С8-ІR	SCAAEKEVAGTARDPFYHKLSELMQSS	37.0	37.7	39.5	1.0	1.0
B6Hβ-3-A11-IR	CSVAVGDSGDPFYHKLSELLQGCR	40.4	38.2	39.1	1.0	1.0
B6Hβ-3-D8-IR	WQRNKQQIIGTPDDPFYHKLSELLEGS	35.4	38.3	39.5	1.0	1.0
B6Hß-3-B7-IR	RSAAAKAVIGSPNDPFYHKLSELI <u>Q</u> GG	37.8	39.0	39.4	1.0	1.0
B6Hβ-3-A12-IR	WLCDRDGRDEQPWDPFYHKLSELVSCGR	33.5	39.4	41.3	1.0	1.0
В6Нβ-3-В4-ІR	GSVAAAKKTGSSDDPFYHKLFELLQGS	39.0	39.8	41.1	1.0	1.0
B6Hβ-3-A4-IR	GCAVTTMTMRSPADPFYHKLSELCQGR	40.1	40.4	41.1	1.0	1.0
В6Нβ-3-Е12-ІR	GCKVDDE*ARSSDPFYHKLSELLKGCR	35.8	40.7	40.7	1.0	1.0
В6Нβ-3-В8-ІR	GCKAVVEVKDHGDDPFYHKLSELLQGC	40.8	40.7	39.5	1.0	1.0
B6Hβ-3-C5-IR	CSTVTVSGSDDPFYHKLSELLQGC	40.7	40.9	42.6	1.0	1.0
B6Hβ-3-A2-IR	RSVTAKVEVGSDRDPFYHKLSELLQGS	41.1	41.4	41.9	1.0	1.0
B6Hβ-3-A8-IR	GSRRQKIEVGTPNDPFYHKLSELLQGG	40.0	41.9	41.6	1.0	1.0
B6Hβ-3-C12-IR	LCDEKQRVTGGTNDPFYHKLSELTGGCR	39.8	42.0	41.3	1.0	1.0
B6Hβ-3-B11-IR	SCMVEGPNDDPFYHKLSELLQGCR	40.7	42.6	43.3	1.0	1.0
в6нβ-3-С3-IR	GGAAVVVAMGGNDDPFYHKLFELMQGG	43.0	42.7	44.0	1.0	1.0
B6Hβ-3-B5-IR	GGVIKAMKAGGPDDPFYHKLSELL <u>Q</u> GS	42.7	43.9	45.4	1.0	1.0
B6Hβ-3-C4-IR	GCIIAEKVVGPPDDPFYHKLSELLDCG	41.1	42.3	36.6	1.2	6.0
В6Нβ-3-G7-IR	GCEKVVAVAGNAGDPFYHKLSELL <u>O</u> GC	4.1	2.4	2.1	1.1	6.0
В6Нβ-3-С11-ІR	GSVMTVTEMAGADDPFYHKLSELLQGGR	29.5	30.6	28.2	1.1	6.0

FIGURE 2H (Con't)

		Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR IR/IGFR	IR/IGFR	
Design	OOUUUUUUJJJJDPFYHKLSELXXOO	•	:	ı	1	:	
В6Нβ-3-Н12-ІR	RGEAKEAKIGSAGDPFYHKLSELMQGSR	33.6	32.0	29.5	1.1	6.0	
B6Hβ-3-G10-IR	GCEEVVVMANSSADPFYHKLSELCQGSR	30.1	34.3	30.5	1.1	6.0	
B6HB-3-F10-IR	GCAAVVVTTGGDNDPFYHKLSELLQGCR	37.1	35.3	32.4	1.1	6.0	
B6Hβ-3-D5-IR	SRTGERQVVGSHADPFYHKLSELLLSS	39.9	38.9	35.5	1.1	6.0	
В6Нβ-3-В12-ІR	GCKEVVVETAHADDPFYHKLSELLQGCR	39.5	40.0	37.1	1.1	6.0	
В6Нβ-3-D2-IR	RRITIKVKAGDDDPFYHKLSELLWGG	40.4	41.5	39.1	1.1	6.0	
В6Нβ-3-D1-IR	WCDQKETVVSNSDDPFYHKLSELVGCS	41.1	44.6	36.6	1.2	0.8	
В6Нβ-3-G6-ІR	RCEEITIGDGRAGDPFYHKLSELLQGC	34.3	36.4	24.1	1.5	0.7	
В6Нβ-3-А7-ІК	CSVVMTEEKNDRDDPFYHKLSELLQGC	38.1	30.9	18.4	1.7	9.0	
B6Hβ-3-B10-IR	GGEARRRQQVGTANDPFYHKLSELAFGGR	32.3	36.5	22.8	1.6	9.0	
В6Нβ-3-В9-ІR	GCAVTAITINGTSDPFYHKLSELCQGS	38.6	38.5	20.8	1.9	0.5	
В6Нβ-3-D6-IR	GSKVKAMAVGTSDDPFYHKLSELVQGR	35.9	36.0	15.6	2.3	0.4	
B6H()-3-C7-IR	RCKGIKAHSDNDPFYHKLSELCQGG	38.3	38.0	9.9	5.8	0.2	

		Ratios ov	Ratios over Background	pur	Comparisons	risons
Clone	Sequence	E-Tag	IGFsR	IR	IGFR/IR IR/IGFR	IR/IGFR
Design	OOUUUUUUJJJJDPFYHKLSELXXOO) [!!!	!	;	
B6H-3-F1-IGFR	RRVAAVA?KDATGDPFYHKLSELLRSG	20.0	30.8	!	;	•
B6H-3-D4-IGFR	RSTMKEKIEGDGNDPFYHKLSELLKSG	19.0	27.6	:	i	:
B6H-3-G3-IGFR	GGAVIVTAARRGSDPFYHKLSELVGRG	14.2	25.2	1	;	;
B6H-3-F2-IGFR	SREAVEVTMARGSDPFYHKLSELVWGS	12.5	24.8	!	:	•
B6H-3-D1-IGFR	RSTTMVKAVPPPRDPFYHKLSELL*GG	20.0	24.2	:	1	1
B6H-3-A3-IGFR	GRTEEVVVVGTRRDPFYHKLSELLASG	14.2	22.8	1	•	:
B6H-3-A4-IGFR	RRMAGWQ*TSSSDPFYHKLSELVSGS	13.0	22.8	;	;	:
B6H-3-B4-IGFR	SRKEVTEMVGGPSDPFYHKLSELMGSG	10.2	22.8	1	;	;
B6H-4-D11-IGFR	RGTAKQRKSSDP*DPFYHKLSELIYGS	14.0	22.5	ı	!	;
B6H-3-G2-IGFR	GGVVAVVAAGRRDDPFYHKLSELVSGR	15.2	22.5	!	1	!
B6H-3-B2-IGFR	SR.MAMVEVGNPGDPFYHKLSELLGS	14.5	21.9	:	:	1
B6H-3-E2-IGFR	RRVTAVI EVDGADDPFYHKL? ELLSGG	11.6	21.8	;	;	•
B6H-3-B1-IGFR	RSVIAN???G?NADPFYHKLSELISSG	15.9	21.7	;	;	:
B6H-4-G3-IGFR	RGVVIETTKDPGADPFYHKLSELLFGR	19.1	21.4	;	1	:
B6H-4-F9-IGFR	RRTTVMETVGGRDDPFYHKLSELLHRG	11.3	20.9	:	:	1
B6H-3-E3-IGFR	GRVVVAAAVRPDDDPFYHKLSELVAGR	14.2	20.8	;	:	;
B6H-3-E1-IGFR	RGVATVVVANHHSDPFYHKLSELVLRG	20.0	20.6	;	•	:
B6H-4-F3-IGFR	RRKMATEIMRSDADPFYHKLSELLGGS	12.5	20.3	!		1
B6H-3-D2-IGFR	GGKTAVEVTSPASDPFYHKLSELLLRG	12.1	19.3	!	1	1
B6H-4-A9-IGFR	RREKKVKVTTTDNDPFYHKLSELVFGG	14.1	19.2	;	;	; !
B6H-4-E6-IGFR	SSAI IMVAADRADDPFYHKLSELLWGS	12.5	19.2	:	:	1
B6H-4-C3-IGFR	RREVAIVAAGAGGDPFYHKLSELLSRG	23.6	18.9	;	!	!
B6H-3-C2-IGFR	RRMVMEAAENHADDPFYHKLSELLWRD	16.2	18.5	1	1	:
B6H-3-C4-IGFR	GRKMEIVAIRGAHDPFYHKLSELL*GR	16.8	17.2	;	i i	;
B6H-3-C3-IGFR	CCIAMVEMAAGGGDPFYHKLSELLSGR	14.6	17.1	1	1	;
B6H-3-B3-IGFR	RGAQSPDPFYHKLSELAFGS	0.6	16.8	!	!	1 1
B6H-4-H3-IGFR	RKTAMVVIGDASDPFYHKLSELAFGS	10.1	16.6	;	!	!
B6H-3-H3-IGFR	GSVITKAMKADGDDPFYHKLSELL*GG	14.2	16.4	!	:	•

		Ratios ove	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	IGFSR	꼰	IGFR/IR IR/IGFR	IR/IGFR
Design	OOUUUUUUJJJJDPFYHKLSELXXOO	!	;	:	1	
B6H-4-D8-IGFR	GGVKAAAAERDDSDPFYHKLSELLFGS	15.1	16.4	1	1,	1
B6H-4-D6-IGFR	CCEMVKTIEHGGNDPFYHKLSELVFGR	12.6	15.6	1	•	!
B6H-4-E10-IGFR	GGAKVAVVVDHGDDPFYHKLSELLRGS	10.2	15.1	:	1	•
B6H-4-F5-IGFR	RGKTKMAMAAGGNRDPFYHKLSELIFGN	12.3	14.8	;	1	1
B6H-4-B2-IGFR	GGMATKIVTAPGHDPFYHKLSELLFGG	9.9	11.8	r	1 1	•
B6H-3-F3-IGFR	SGEGEMAMPGPDDPFYHKLSELIGSRA	8.2	11.6	;	•	!
B6H-3-A2-IGFR	GGMAEVVVVGPPRDPFYHKLSELVGGG	10.9	9.9	;	;	;
B6H-3-H2-IGFR	GGEVKVMVADGSTDPFYHKLSELLGRT	5.9	9.6	;	;	!
B6H-4-A1-IGFR	SCVMVETVAGRNRDPFYHKLSELVGGC	4.4	9.5	;	ţ	!
B6H-3-H1-IGFR	RRW*KVPGAADPFYHKLSELLGRSA	7.2	8.7	:	t 1	:
B6H-4-C2-IGFR	GGVEATEVEHADGDPFYHKLSELVGRS	6.7	9.8	;	;	i i
B6H-4-H9-IGFR	RGVEVAVITHGPPDPFYHKLSELLRGA	12.3	8.4	:	1	:
B6H-4-B7-IGFR	SGTVTVIAMSGTDDPFYHKLSELLSRS	6.4	8.2	;	:	!
B6H-4-A7-IGFR	GRTAVVKEASPAHDPFYHKLSELLLRG	9.7	8.1	:	f 1	:
B6H-4-B3-IGFR	RGAIGNAAVGNRSDPFYHKLSELISRG	4.4	7.8	;	1	:
B6H-4-B4-IGFR	GGMIKTAMEHDTRDPFYHKLSELLRGG	5.2	7.4	!	:	: 1
B6H-4-E1-IGFR	GCAEVEEVAGAGHDPFYHKLSELCAGG	3.6	7.1	1	;	;
B6H-3-C1-IGFR	SSVVVVEVVDARRDPFYHKLSELV?SG	5.7	4.6	;	:	!
B6H-4-A3-IGFR	GRKKAVATMTDGGDPFYHKLSELILRS	4.4	4.2	;	;	!
B6H-4-H10-IGFR	RGETEMAVADTDDDPFYHKLSELLGRG	4.4	3.2	:	•	;
B6H-3-G1-IGFR	GQRDPFYHKLSELMGRGA	2.4	2.9	:	:	!

		Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	IR	IGFR/IR	IR/IGFR	
Design	EHWNTVDPFYHKLSELLRESG	1 1	1 1	:	!	;	
B6C-3-C7-IR	EHWNTVDPFYFTLFE*LRESG	31.7	2.1	20.0	0.1	9.4	
B6C-4-F2-IR	EHWNTVDPFYNQLWEWLRESG	8.2	1.8	4.3	0.4	2.4	
B6C-3-A2-IR	EHWNTVDPFYHOLSEWLRESG	34.9	18.1	36.0	0.5	2.0	
B6C-4-H11-IR	EHWNTVDPFYQQLYEWLRESG	37.1	28.2	38.6	0.7	1.4	
B6C-4-H4-IR	EHWNTVDPFYRQLSEWLRESG	39.5	28.3	39.4	0.7	1.4	
B6C-3-A11-IR	EHWNTVDPFYHYFQELLRESG	25.4	25.9	34.2	0.8	1.3	
B6C-3-D9-IR	EHWNTVDPFYHQMYEWLRESG	35.7	30.3	37.2	0.8	1.2	
B6C-4-G4-IR	EHWNTVDPFYRQLYEWLRESG	35.3	31.0	38.4	0.8	1.2	
B6C-3-C6-IR	EHWNTVDLFYYGLQELLRESG	33.3	33.9	35.9	6.0	1.1	
B6C-3-D8-IR	EHWNTVDPFYH*ISELLRESG	34.5	34.7	37.1	0.9	1.1	
B6C-4-G7-IR	EHWNTVDPFYQFFAELLRESG	35.9	36.9	38.9	0.9	1.1	
B6C-3-C8-IR	EH*NTVDPFYEGLLELLRESG	35.6	37.2	39.6	6.0	1.1	
B6C-3-D6-IR	EH*NTVDPFYQGLFELLRESG	37.6	37.6	40.2	6.0	1.1	
B6C-3-C10-IR	EHWNTVDPFYQYFSELLRESG	35.3	36.4	40.6	6.0	1.1	
B6C-3-B3-IR	EHWNTVDPFYYGLQTLLRESG	38.3	38.7	40.8	0.9	1.1	
B6C-3-B1-IR	EHWNTVDPFYQALFELLRESG	37.8	38.9	41.2	0.9	1.1	
B6C-4-F6-IR	EHWNTVDPFYD*MRNLLRESG	35.8	36.8	38.7	1.0	1.1	
B6C-3-B11-IR	EHWNTVDPFYNLLQELLRESG	36.3	37.0	38.8	1.0	1.1	
B6C-3-B8-IR	EHWNTVDPFYDGLRQLLRESG	37.2	39.2	41.2	1.0	1.1	
B6C-3-C12-IR	EHWNTVDPFYGKLQELLRESG	28.3	28.7	28.9	1.0	1.0	
B6C-3-C2-IR	EHWNTVDPFYQQLFELLRESG	34.1	34.7	33.8	1.0	1.0	
B6C-3-D5-IR	EHWNTVDPFYLMLQQLLRESG	33.9	35.3	34.1	1.0	1.0	
B6C-4-F7-IR	EH*NTVDPFYHKLYELLRESG	34.9	34.7	34.2	1.0	1.0	
B6C-4-H2-IR	EHWNTVDPFYH*MSNLLRESG	35.4	35.8	35.8	1.0	1.0	
B6C-3-B12-IR	EHWNTVDPFYY*MSELLRESG	33.6	35.2	36.0	1.0	1.0	
B6C-3-A12-IR	EHWNTVDPFYQLLFELLRESG	33.1	37.0	36.2	1.0	1.0	
B6C-4-E9-IR	EHWNTVDPFYQRMFELLRESG	36.1	36.0	36.2	1.0	1.0	
B6C-4-E8-IR	EHWNTVDPFYQGLWELLRESG	34.2	35.0	36.6	1.0	1.0	

		Ratios ove	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	꼼	IGFR/IR	IR/IGFR	
Design	EHWNTVDPFYHKLSELLRESG	1	1	;	!	1 1	
B6C-3-C11-IR	EHWNTVDPFYD*ISELLRESG	33.4	35.0	36.7	1.0	.1.0	
B6C-3-C4-IR	EHWNTVDPFYHLLQELLRESG	34.5	35.2	36.8	1.0	1.0	
B6C-3-B6-IR	EHWNTVDPFYHMLÖELLRESG	34.2	36.1	36.9	1.0	1.0	٠
B6C-4-E5-IR	EHWNTVDPFYH*MSDLLRESG	35.5	35.8	36.9	1.0	1.0	
B6C-4-H12-IR	EHWNTVDPFYHYLQDLLRESG	37.0	36.2	37.1	1.0	1.0	
B6C-4-F9-IR	EHWNTVDSFYLGLQELLRESG	36.1	36.2	37.3	1.0	1.0	
B6C-3-A6-IR	EHWNTVDPFYQGLSELLRESG	35.8	38.0	37.4	1.0	1.0	
B6C-3-D1-IR	EHWNTVDPFYQALQQLLRESG	36.2	37.8	37.5	1.0	1.0	
B6C-3-D4-IR	EHWNTVDPFYLMLQELLRESG	35.9	36.4	37.5	1.0	1.0	
B6C-3-C1-IR	EHWNTVDPFYLKMQDLLRESG	36.8	36.6	37.9	1.0	1.0	
B6C-4-G5-IR	EHWNTVDPFYQKLQELLRESG	36.5	37.9	38.0	1.0	0 . ध	
B6C-3-A8-IR	EHWNTIDPFYHQISELLRESG	34.4	37.0	38.1	1.0	1.0	
B6C-4-H1-IR	EHWNTVDPFYH*MTELLRESG	36.8	36.5	38.3	1.0	1.0	
B6C-3-D10-IR	EHWNTVDPFYHYMSQLLRESG	37.0	37.0	38.5	1.0	1.0	
B6C-3-D12-IR	EHWNTVDPFYQGLFELLRESG	36.2	37.0	38.7	1.0	1.0	
B6C-3-B9-IR	EHWNTVDPFYAKLQELLRESG	36.3	37.3	38.8	1.0	1.0	
B6C-4-H7-IR	EHWNTVDPFYH*MRELLRESG	37.5	38.0	39.1	1.0	1.0	
B6C-3-D11-IR	EHWNTVDPFYHGL*ELLRESG	36.1	37.5	39.2	1.0	1.0	
B6C-4-F10-IR	EHWNTVDPFYLGLQELLRESG	37.9	38.6	39.3	1.0	1.0	
B6C-4-G8-IR	EHWNTVDPFYD*IADLLRESG	35.9	38.0	39.7	1.0	1.0	
B6C-3-A9-:IR	EH*NTVDPFYHGLYELLRESG	36.5	38.8	39.9	1.0	1.0	
B6C-3-A7-IR	EHWNTVDAFYHGL <u>Q</u> ELLRESG	38.1	39.4	40.2	1.0	1.0	
B6C-4-F12-IR	EHWNTVDPFYQGLIELLRESG	38.0	38.4	•	1.0	1.0	
B6C-4-G9-IR	EHWNTVDPFYN*MRELLRESG	37.5	39.4	40.5	1.0	1.0	
B6C-4-H8-IR	EHWNTVDPFYQGLLDLLRESG	38.5	40.0	40.8	1.0	1.0	
B6C-3-B10-IR	EHWNTVDPFYQKLQDLLRESG	39.3	40.3	40.9	1.0	1.0	
B6C-3-A10-IR	EHWNTVDPFYHGL <u>Q</u> ELLRESG	38.4	40.9	41.6	1.0	1.0	
B6C-3-A3-IR	EHWNTVDPFYH*MSELLRESG	39.2	40.0	41.7	1.0	1.0	
B6C-3-A5-IR	EHWNTVDPFYAGLQALLRESG	38.2	40.4	41.9	1.0	1.0	
B6C-3-C3-IR	EHWNTVDPFYHML <u>Q</u> KLLRESG	34.5	34.6	32.0	1.1	6.0	

		Ratios ove	er Backgro	pun	Comparisons	isons
Clone	t)	E-Tag ICFSR IR ICF	IGFSR	R	IGFR/IR	IRJIGFR
Design	DPFYHKLSELLRESG	!	1	:	!	1
B6C-4-F4-IR	DPFYOKLFELLRESG	36.3	36.9	34.3	1.1	6.0
B6C-3-D2-IR	DPFYH*LAELLRESG	8.5	10.3	9.0	1.2	6.0
B6C-3-A1-IR	DPFYH*LNELLRESG	26.5	30.7	16.8	1.8	0.5
B6C-3-B5-IR		33.4	33.0	15.0	2.2	2.2 0.5
B6C-3-A4-IR	DPFYRRL <u>Q</u> ELLRESG	33.6	31.8	13.5	2.4	0.4

		Ratios ove	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR IR/IGFR	IR/IGFR	
Design	EHWNTVDPFYHKLSELLRESGA		:	:	:	1	
B6C-3-C4-IGFR	EHWNTVDPFYLKMTELLRESGA	21.0	23.1	;	•	1	
B6C-3-F5-IGFR	EHWNTVDPFYHKLEELLRESGA	26.5	22.6	1	1	1	
B6C-3-D4-IGFR	EHWNTVDPFYHKLYELLRESGA	26.6	22.1	1	ľ	1	
B6C-3-A3-IGFR	EHWNTVDPFYQKLSELLRESGA	29.7	20.8	1	i t	1	
B6C-3-C9-IGFR	EHW?TVDPFYLKLSELL?ESGA	29.6	20.5	1	1	1	
B6C-3-C8-IGFR	EHWNTVDPFYQRLFELLRESGA	30.5	19.9	1	ŀ	1	
B6C-3-A8-IGFR	EHWNTVDPFYHGLQELLRESGA	29.7	19.7	i i	ţ	1	
B6C-3-A2-IGFR	EHWNTVDPFYHRLSELLRESGA	33.6	19.0	1	!	1	
B6C-3-A9-IGFR	EHWNTVDPFYHNLYELLRESGA	33.0	18.3	;	!	f I	
B6C-3-C10-IGFR	EHWNTVDPFYNKLSELLRESGA	30.0	17.7	:	1	1	
B6C-3-F7-IGFR	EHWNTVDPFYQKLSELLRESSA	27.3	17.6	;	ŧ \$		
B6C-3-F10-IGFR	EHWNTVDPFYAKLSALLRESGA	27.4	17.4	i I		9	
B6C-3-C12-IGFR	EHWNTVDPFYARLSALLRESGA	28.4	17.3	;	ı	1	
B6C-3-E11-IGFR	EHWNTVDPFYHILAELLRESGA	28.0	17.2	;	1	;	
B6C-3-F8-IGFR	EHWNTVEP*YHKLCGRLRESGA	25.4	16.0	:	:	1	
B6C-3-F2-IGFR	EHWNTVDPFYDRLTELLRESGA	30.8	15.1	:	;	;	
B6C-3-B6-IGFR	EHWNTVDPF*PKVSELLRESGA	2.9	14.7	;	1	1	
B6C-3-D5-IGFR	EHWNTVEPFGA*LAEPLRESGA	2.4	14.3	;	1	!	
B6C-3-A4-IGFR	ERWNTVDPFYHKLSELLRESGA	22.6	13.9		i I	1	
B6C-3-D3-IGFR	EHWNTVDQFYQALFELLRESGA	28.0	13.8	;	!	;	
B6C-3-F9-IGFR	EHWNTVDPFYHKLAELLRESGA	24.8	13.6	;	!	;	
B6C-3-A7-IGFR	EHWNTVDPFYDKLSDLLRESGA	14.4	12.8	;	1	:	
B6C-3-H10-IGFR	EYWNTVDPFYHKLAELLRESGA	17.1	11.1	•	†	1	
B6C-3-H11-IGFR	EHWNTVRPRYQ*LSELLRESGA	2.3	11.0	:	1	ŧ	
B6C-3-A1E-IGFR	EHWNTVDPFYHKLQELLRESGA	23.3	10.5	1	!	i i	
B6C-3-E12-IGFR	EHWNTVATF*DKVTDLLRESGA	2.7	10.1	:	1	:	
B6C-3-H12-IGFR	EHWNTVDPFLDKRS*LLRESGA	2.3	6.6	!	l I	1	
B6C-3-G1-IGFR	EHWNTVGAFQPTPEYLLRESGA	:	1	:	1	:	

			Ratios ove	Ratios over Background		Comparisons	isons
	Sequence		E-Tag	IGFSR	IR _	IGFR/IR	IK/IGFK
Clone			1	1	:	1	!
Design	XXXXXXFIDALDQUVAAAAA		30.6	15.1	4.2	3.6	0.3
Parental	FYDALDQLVKGSAKAGGIND		19.9	1.2	13.9	0.1	11.5
20E2A-4-F9-IR	PPWGAKFIDALEQUVFDNACC		13.9	1.3	9.7	0.1	7.6
20E2A-4-E2-IR	IGRVRSFTDALDREFUSDWER	1	14.5	1.6	6.1	0.3	3.8
20E2A-3-B6-IR	RDAGSSFYDAIDQLVCL11FC		18.6	4.2	15.2	0.3	3.6
20E2A-3-A7-IR	MPMGLNFYUGIEQUVREWGGD		20.1	10.6	15.8	0.7	1.5
20E2A-4-F7-IR	TISAHIFIEALIQUIEGIDEU Gerrangan Polimonepo		24.4	16.4	23.8	0.7	1.4
20E2A-3-C9-IR	SPWGRAFIDALDQLMGGALIG		14.8	5.9	9.9	0.9	1.1
20E2A-3-C11-IR	LSPERDFIDALQQDVRDGGWG		17.2	8.3	8.9	0.9	1.1
20E2A-4-G7-IR	HGVPKTFYDAIDQLvwglEvG		25.4	26.9	25.6	1.1	1.0
20E2A-4-H11-IR	GGIDQLFIGALDQLVGGIWWK			2.1	2.1	1.0	1.0
20E2A-4-E9-IK	LSVHQSFIDAINELIFSGLES		12.6	5.6	5.7	1.0	1.0
20E2A-4-F4-IR			21.0	11.9	12.1	1.0	1.0
20E2A-3-A3-IR	VASPRSFIEALAQUVFNLGQE		0.10	16.0	16.1	1.0	1.0
20E2A-4-E4-IR	KKPCQTFYDCILDDVVIDVDV				18.8	1.0	1.0
20E2A-4-G5-IR	LLSKWIFIDALEQLVGGGADG			•	21.2	1.0	1.0
20E2A-4-H1-IR	PAGCOG I EALEXUVIGECO				20.3	1.0	1.0
20EZA-3-D8-IK	AVERNIETELETUNGOURGENE		23.2	21.0	20.4	1.0	1.0
2052A-4-Fir-in	OCNDRTEYEATAOL/VTGCDVS		23.4	22.3	22.5	1.0	1.0
SUEZA-3-CI-III	VSTSGEVDATOOTIEDSWGW		24.6	22.5	22.8	1.0	1.0
20E2A-3-B2-IK 20E2A-4-G10-TR	HHSAFSFYDAIAOLVGVPWEE		21.5	22.9	22.2	1.0	1.0
2052A-4-G10-110	FTYVHSFYDATEOLVRGEGGG		24.6	23.4	22.6	1.0	1.0
2052A-3-A3-IX 2052A-4-H3-TR	OGNAONFYDAIDOLCFGCLGG		24.5	24.1	25.1	1.0	1.0
20E2A 1 113 11.	SSEGWIFYDAIDOLVGRERGW		25.2	24.4	24.7	1.0	1.0
20E2F 3 C 1 III	PDGCATFYHAIOOLVTGFPCV		18.5	15.7	13.6	1.2	o. o
20E2A-4-E7-IR	RGPPMTFYDAIAQLVAQSADG		17.8	16.6	14.4	1.2	o. o.

i		Ratios ove	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	<u> </u>	IGFR/IR	IRIGFR	•
20528-3-B3-TB		22 4	. מ ע	י קי	, ,	o -	
20E2A-4-H10-IR		24.8		•	1.2	6.0	
20E2A-4-F8-IR	FQRTWSFYDAINQLVMEGSGD		2.2	2.1	1.1	6.0	
20E2A-4-H5-IR	RGSATTFYDAINQLVGQDGGW	21.3	18.3	16.5	1.1	6.0	
20E2A-4-G1-IR	AQPCVSFYDAIEQLVTGRSCM	21.4	18.3	16.0	1.1	6.0	
20E2A-4-F2-IR	GGDGDPFYDWIEQLVRAGSEA	20.1	20.5	18.2	1.1	6.0	
20E2A-4-H7-IR	LDLCASFYDAIEQLVGVKFCG	22.6	21.2	18.6	1.1	6.0	
20E2A-3-D5-IR	WLACQSFYDAIDQLINGGECN	22.7	21.3	18.9	1.1	6.0	
20E2A-3-A1-IR	EVNALSFYDAIDQLVRGGLGG	23.8	21.7	19.9	1.1	6.0	
20E2A-4-H9-IR	RLQPRTFYEAIDQLIGGVLEG	24.0	22.5	20.8	1.1	6.0	
20E2A-3-D7-IR	SGAHRTFYDAIQELVGMGGSK	24.1	23.5	21.0	1.1	6.0	
20E2A-4-E5-IR	NMQSLTFYDAIAQLVLGRSGG	24.1	23.5	20.9	1.1	6.0	
20E2A-4-E11-IR	RAVGATFYDQINQLVRKDDGY	22.5	14.6	11.7	1.3	0.8	
20E2A-3-A4-IR	SQCRGGFYDAIYQLVTGVNCI	20.2	17.5	13.4	1.3	0.8	
20E2A-4-G8-IR	DRLAFSFYDAIDQLVHCCGHG	21.7	18.0	13.8	1.3	0.8	
20E2A-3-B7-IR	GNRQRGFYDAIDQLVGGSWWR	21.1	21.4	16.9	1.3	0.8	
20E2A-4-G11-IR	GGSVLSFYDAIAQLVGGGQSI	22.9	23.1	17.7	1.3	0.8	
20E2A-3-C5-IR	RSGPMSFYDAIEQLVLGRLHP	24.2	24.3	19.0	1.3	0.8	
20E2A-4-E8-IR	VSGCRTFYDAIDQLVSGQACG	17.1	11.5	9.4	1.2	0.8	
20E2A-4-H2-IR	AQFPRTFYDAIEQLIHGKGMD	21.6	13.7	11.6	1.2	0.8	
20E2A-4-H4-IR	CAQPESFYDAIDRLVTGRCLV	21.3	19.6	16.3	1.2	0.8	
20E2A-3-D4-IR	PDECQSFYCAIDRLVTGKGGR	23.2	22.2	18.0	1.2	0.8	
20E2A-4-F5-IR	QRRARDFYEAIQQLVGGVAGL	12.2	5.7	3.8	1.5	0.7	
20E2A-3-B10-IR	PLVRGTFYDAIKQLVMGGSSD	14.9	5.9	3.9	1.5	0.7	
20E2A-3-B9-IR	VGIAWTFYDAIQQLVRGSPEG	15.5	11.0	7.2	1.5	0.7	
20E2A-3-D10-IR	PRGQASFYDMIEQLVGSADWN	22.2	19.1	12.8	1.5	0.7	
20E2A-3-D6-IR	DGRVWSFYDALEQLVGQFEGP	21.8	19.3	13.0	1.5	0.7	
20E2A-4-G9-IR	RFVVRSFYDAIEQLILAPNLG	21.3	19.9	13.3	1.5	0.7	
20E2A-4-E1-IR	KVGRGSFYDAIRELVGQGGHV	23.1	20.7	13.6	1.5	0.7	
20E2A-4-F12-IR	PAIGFTFYDAIRQLVWFQGAD	17.5	17.1	12.1	1.4	0.7	
20E2A-4-G3-IR	ALPGRSFYDAIAQLVGPDWGA	21.6	19.4	14.1	1.4	0.7	

FIGURE 2L (Con't)

		Ratios ove	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	IGFSR	IR	IGFR/IR	IR/IGFR
Design	XXXXXXFYDAIDQLVXXXXXX		•	;	1	:
20E2A-3-C2-IR	RPQGGTFYDMIKQLVLGSGWG	23.4	20.9	15.4	1.4	0.7
20E2A-3-B1-IR	WSAFADFYDAIQHLVAGEVGA	22.1	21.6	15.6	1.4	0.7
20E2A-3-A8-IR	SDGRDGFYDAIQQLVRSAFGD	12.3	4.8	2.7	1.8	9.0
20E2A-4-G2-IR	IRSVFSFYDAIDQLVGKGGWS	18.9	13.8	7.9	1.8	9.0
20E2A-3-A9-IR	GGVSLTFYEAIEOLVRGGFDA	23.3	20.3	11.3	1.8	9.0
20E2A-3-D3-IR	AAQAFSFYDLINQLVASKPSE	24.4	24.5	13.5	1.8	9.0
20E2A-3-A11-IR	QSGACGFYDAINQLVLGVSIC	13.5	4.6	2.7	1.7	9.0
20E2A-3-B4-IR	GGIVFSFYEAIDQLVRGNGAG	21.4	15.3	8.9	1.7	9.0
20E2A-4-E10-IR	IYTGQGFYDAIEQLVRGGSTP	22.3	19.0	11.3	1.7	9.0
20E2A-3-D2-IR	KSPALSFYDAIEQLVGSQGVR	22.5	19.0	11.2	1.7	9.0
20E2A-4-F1-IR	ISPPWTFYDAIDQLVGGSDGR	14.5	6.2	3.9	1.6	9.0
20E2A-3-D1-IR	GSRFRGFYDAIDQLVRQGGLE	16.5	9.9	4.0	1.6	9.0
20E2A-3-D11-IR	GVAGGTFYDAIEQLVRÖFGGS	20.2	14.4	8.9	1.6	9.0
20E2A-3-C3-IR	RPLRWSFYDALDQLVGSAIGG	23.9	22.5	14.2	1.6	9.0
20E2A-3-C12-IR	MOGRGGFYDAIADLVGGHVRG	21.3	23.0	14.4	1.6	9.0
20E2A-3-A2-IR	TSQGLSFYDAINQLVAGGWGG	18.9	11.6	7.5	1.5	9.0
20E2A-3-C7-IR	SGGTVTFYDAINQLVQGRYNG	21.6	. 15.1	6.9	2.2	0.5
20E2A-3-C10-IR	GGALDPFYDAIYQLVIRGSSG	18.1	18.0	9.1	2.0	0.5
20E2A-3-D9-IR	KORGVTFYDLLNOLVGGSARG	21.8	21.6	8.4	2.6	0.4
20E2A-3-B5-IR	PRAPRSFYDAIHQLVGRQGPG	24.3	18.1	7.4	2.5	0.4
20E2A-3-A6-IR	PCSDDQFYDALSQLVGIRVCP	17.8	19.1	7.6	2.5	0.4
20E2A-4-G12-IR	SYGYQSFYDAIEELVRGPPAR	0.6	9.3	2.6	3.6	0.3

		Ratios ov	Ratios over Background	pun	Comparisons	risons
Clone	Sequence	E-Tag	IGFSR	¥	IGFR/IR	IR/IGFR
D sign	XXXXXXFYDAIDQLVXXXXXX	:	1:	;	:	!
Parental	FYDAIDQLVRGSARAGGTRD	30.6	15.1	4.2	3.6	0.3
20E2A-4-F11-IGFR	QGGSASFYDAIDRLLRMRIGG	21.3	18.8	1.3	14.6	0.1
20E2A-4-F12-IGFR	AQGSEGFYDALAQLVGQLVSG	23.3	23.9	3.1	7.8	0.1
20E2A-3-B4-IGFR	GHPAVSFYDAIDQLLRRRGGG	21.8	16.6	2.4	6.9	0.1
20E2A-4-F4-IGFR	YSDTYSFYDAIVQLVRRGASA	20.7	20.0	3.6	5.5	0.2
20E2A-3-C7-IGFR	VGTVAGFYDAIAQLVARASRV	17.6	5.4	1.1	5.1	. 0.2
20E2A-3-C10-IGFR	RFVWGSFYDAIDQLVQGRWRG	23.3	21.0	4.2	5.0	0.2
20E2A-3-D6-IGFR	RAVGDSFYEAIQQLVRGGHGV	15.1	11.8	2.4	5.0	0.2
20E2A-4-F6-IGFR	LRSQLSFYEAIDQLVQWKGGA	21.5	19.9	4.3	4.6	0,.2
20E2A-3-A8-IGFR	DKFFTSFYDAIDQLVQSVRGV	22.2	13.3	2.9	4.6	0.2
20E2A-4-F9-IGFR	M <u>Q</u> SGFSFYDAIDRLVGRLGER	21.2	19.0	4.4	4.4	0.2
20E2A-4-F3-IGFR	VGSSSFYEAIERLVQGLGRH	20.6	19.3	4.6	4.2	0.2
20E2A-3-B2-IGFR	LSWAAGFYEAIDQLVRSGGHR	18.7	14.7	3.8	3.9	0.3
20E2A-4-G8-IGFR	QQVHAGFYEALEELVGFGFLG	20.9	10.8	2.7	3.9	0.3
20E2A-3-D10-IGFR	MMVVDGFYDALHQLVVAQSLG	20.6	6.9	1.8	3.9	0.3
20E2A-3-A12-IGFR	LSVALSFYDALGQLVAGEGRW	16.1	4.3	1.1	3.9	0.3
20E2A-3-A11-IGFR	SGSNLGFYDALRQLVGATDGS	17.8	7.6	2.6	3.7	0.3
20E2A-4-H1-IGFR	PSGFLSFYEAIDQLVHGVRWF	20.8	14.5	4.1	3.5	0.3
20E2A-4-F7-IGFR	AFTPTSFYDAIEQLVQQLSPR	19.5	17.9	5.3	3.4	0.3
20E2A-3-D7-IGFR	VSSLRSFYDALDELVRRPFQQ	22.0	18.3	5.6	3.3	0.3
20E2A-3-A9-IGFR	VSMPQSFYDALKQLVRGISEG	24.7	10.5	3.2	3.3	0.3
20E2A-3-A10-IGFR	IGVSRGFYDAIDKLVRDRGSP	26.3	15.4	4.8	3.2	0.3
20E2A-3-B11-IGFR	GRSLLSFYDLIDQLVQAGNGG	15.8	10.7	3.4	3.2	0.3
20E2A-3-D12-IGFR	GQRAQSFYEALARLVCEGRCT	13.9	9.0	2.8	3.2	0.3
20E2A-4-H11-IGFR	CRFQGSFYDAIDLLVLGVRTC	22.8	17.5	5.7	3.1	0.3
20E2A-4-H5-IGFR	RWAFQSFYDAIDHLVNHREGH	20.1	. 16.6	5.5	3.0	0.3
20E2A-4-E11-IGFR	LPPSSGFYNAIQ <u>Q</u> LVCGHRGC	21.0	12.6	4.2	3.0	0.3

Ratios over Background Comparisons E-Tag IGFSR IR IGFR/IR/IR/IGFR	**	19.4 19.0 6.8 2.8 0.4	16.1 11.8 4.2 . 2.8 0.4	24.0 14.3 5.3 2.7 0.4	18.1 20.6 7.9 2.6 0.4	15.1 9.3 3.6 2.6 0.4	20.7 3.3 1.3 2.6 0.4	25.9 17.4 7.2 2.4 0.4	23.6 14.6 6.0 2.4 0.4	19.8 12.3 5.1 2.4 0.4	21.4 21.6 9.3 2.3 0.4	22.6 21.3 9.1 2.3 0.4	.0 21.8	23.5 17.4 7.8 2.2 0.4	22.2 17.1 7.7 2.2 0.4	24.3 16.3 7.4 2.2 0.5	11.3 2.7 1.2 2.2 0.5	22.3 22.6 10.8 2.1 0.5	22.6 19.9 9.4 2.1 0.5	.0 16.6 7.9	20.5 15.7 7.6 2.1 0.5	22.6 14.5 7.0 2.1 0.5	19.6 19.9 9.8 2.0 0.5	23.0 17.1 8.7 2.0 0.5	26.4 22.1 11.5 1.9 0.5	25.3 20.7 11.1 1.9 0.5	23.1 17.9 9.5 1.9 0.5	22.6 17.7 9.3 1.9 0.5	17.2 8.6 4.6 1.9 0.5	16.1 6.1 3.2 1.9 0.5	5.2 3.0 1.5 1.9 0.5	24.4 21.1 11.5 1.8 0.5
	XXXXXXFYDAIDQLVXXXXXX	TGVFNDFYDALQQLVGFRVRD	YGSFETFYDAIDQLVRRGSQP	RQLLDSFYEAIDQLVRSESRP	WPRGDPFYDAMEKLLSQGGGR	PGLIQSFYDAIDQLVRQGRGN	MNVFVSFYDAIDQLVCQRIGC	LDMIGGFYEAIDQLVSGSLAP	RRPCNSFYDAIQQLLVGGPCG	FGRRSTFYDLIDQLVGQGRGT	LRAPRSFYEAIYQLAQRPSVP	VQRFSSFYDALDQLVGHGVWK	PSARMGFYDLIDQLVGLVPGS	SLQPHDFYDAIHRLVFHGGRF	ERHGGSFYDAIAQLLQSDRSR	YOPPGSFYDWIRELVAGPRRE	FAHASSFYDAIDQLVAKCOSP	AQSSSGFYEALYQLVWGRGPG	TISGGSFYDAMYQLVWGDWRR	ARGTAGFYAELERLVRGODHG	PRHAINFYDAIHQLVFGPGRQ	QSAHWSFYDAIERLVNMDTMP	VGVVSSFYDAIDQLVGWDRGS	DTLIASFYDAIDQLVRLGRNQ	FOGTOGFYDAIERLMRRGERP	WADWGSFYDAIEQLVQRGGGV	EQLSCGFYDAIHQLVHGGGLG	CGORCSFYDAIDQLVGWLPGA	MMRVDGFYEAIDRLVNEGQAT	RGQATSFYEAIDQLMGGSGGV	GHYFGSFYDAIDQLVAGMLPG	PEGV <u>o</u> GFYDALAHLVGGSLFG
Clone	Design	20E2A-4-F2-IGFR	20E2A-3-D4-IGFR	20E2A-3-B10-IGFR	20E2A-4-E5-IGFR	20E2A-3-D5-IGFR	20E2A-4-G11-IGFR	20E2A-3-C12-IGFR	20E2A-4-G5-IGFR	20E2A-3-D9-IGFR	20E2A-4-F10-IGFR	20E2A-4-E2-IGFR	20E2A-4-E3-IGFR	20E2A-3-C4-IGFR	20E2A-3-C5-IGFR	20E2A-4-G12-IGFR	20E2A-3-C3-IGFR	20E2A-3-B7-IGFR	20E2A-4-E10-IGFR	20E2A-4-E6-IGFR	20E2A-3-D3-IGFR	20E2A-4-G4-IGFR	20E2A-4-F1-IGFR	20E2A-4-H7-IGFR	20E2A-3-B9-IGFR	20E2A-4-E9-IGFR	20E2A-3-B1-IGFR	20E2A-4-G1-IGFR	20E2A-4-E7-IGFR	20E2A-3-D11-IGFR	20E2A-3-A3-IGFR	20E2A-4-G7-IGFR

FIGURE 2M (Con't)

		Ratios ove	Ratios over Background	pui	Comparisons	sons
Clone		E-Tag	IGFsR	ĸ	IGFR/IR II	IR/IGFR
Design	XXXXXXFYDAIDQLVXXXXXX	!	1	:	1	1
20E2A-4-G2-IGFR	IGVLGSFYDAIDQLVRQGGNR	22.3	17.5	9.9	1.8	9.0
20E2A-4-G3-IGFR	RDVADGFYAAIEQLVRGQFGL	21.2	12.3	6.9	1.8	9.0
20E2A-3-B5-IGFR	VRQAKSFYDAIDQLVRGĀLRG	24.0	22.7	13.3	1.7	9.0
20E2A-4-H4-IGFR	QVFRGSFYDAIDALVRWGGRA	22.2	20.6	12.0	1.7	9.0
20E2A-4-F8-IGFR	VGAAFSFYDAIDQLVGWSPGS	17.3	17.9	10.7	1.7	9.0
20E2A-3-A6-IGFR	PSPVWSFYDAIQQLVRSGQRG	23.8	23.7	15.0	1.6	9.0
20E2A-4-H12-IGFR	PVSATSFYDAINQLVRMGSRG	25.1	23.5	14.2	1.6	9.0
20E2A-3-B12-IGFR	VMRRDRFYDAIEQLVGGRIGV	27.6	21.9	13.6	1.6	9.0
20E2A-3-B8-IGFR	TTYVNSFYDALQQLLGGDADV	21.5	19.0	12.2	1.6	9.0
20E2A-3-C8-IGFR	LSNMITFYDAINQLVGHVQSL	23.2	17.7	11.4	1.6	9.0
20E2A-4-H10-IGFR	ASSRLSFYDAIEQLIKWSPGP	25.3	23.8	16.2	1.5	0.7
20E2A-3-C9-IGFR	WDLVDSFYDAIDQLVGQRVPG	25.4	21.8	14.6	1.5	0.7
20E2A-4-H2-IGFR	FAFVGSFYDALAQLVAQGPRS	21.8	20.1	13.0	1.5	9.0
20E2A-3-B6-IGFR	EDQPNSFYDAIRQLVMGRLSP	20.3	18.1	11.8	1.5	0.7
20E2A-4-G9-IGFR	SVGPRSFYDAIDQLVGGAWVG	26.0	16.1	10.8	1.5	0.7
20E2A-4-H6-IGFR	KFRVYTFYDAIDQLVNQGRGR	21.9	19.6	13.9	1.4	0.7
20E2A-4-H9-IGFR	GRGWGSFYEAIDQLVRGLGET	24.9	16.8	11.8	1.4	0.7
20E2A-4-G10-IGFR	FTSFHTFYDAIEQLVGQGGDP	25.3	16.5	12.1	1.4	0.7
20E2A-3-A4-IGFR	AGSVTSFYDAMEQLVATGTSA	16.8	2.5	1.8	1.4	0.7
20E2A-3-A7-IGFR	PRESFSFYDAIHQLVTGRVRS	26.0	24.9	19.3	1.3	8.0
20E2A-4-E12-IGFR	LGRADGFYDAIKQLVGADWGG	23.3	23.1	17.8	1.3	8.0
20E2A-3-D1-IGFR	RSGTWTFYDALELLVQGSGSR	24.0	22.4	17.6	1.3	0.8
20E2A-3-C6-IGFR	PVVLFSFYDAIDQLVRKGLGP	23.7	21.7	17.2	1.3	8.0
20E2A-3-D2-IGFR	GRRAQTFYDALEQLVGGEALG	21.4	15.1	11.4	1.3	8.0
20E2A-4-E8-IGFR	AGPDMSFYDAIDQLVHCCGPF	18.4	13.6	10.4	1.3	8.0
20E2A-4-G6-IGFR	HGEKLSFYDAIAQLVGFDIGH	24.7	21.9	17.7	1.2	0.8
20E2A-4-F5-IGFR	GYTPVDFYDAIRQLVTGGWPG	21.7	21.7	18.2	1.2	0.8
20E2A-3-C2-IGFR	FGGFSSFYDALDQLARGRGSD	22.5,	19.6	15.8	1.2	0.8
20E2A-4-H8-IGFR	VGIVRGFYEAIERLVGDTHGQ	24.4	18.5	15.1	1.2	0.8
20E2A-3-A5-IGFR	TPGGFSFYDAIQQLVDVLSDS	22.7	15.6	12.6	1.2	0.8
20E2A-3-C11-IGFR	TNAALTFYDAIËQLVRWG <u>Q</u> RD	25.8	24.3	21.2	1.1	6.0

FIGURE 2M (Con't)

risons	IR/IGFR	;		6.0	
Comparisons	IGFR/IR IR/IGFR		1.1	1.1	1.0
pun	E E		20.5	14.8	19.6
Ratios over Background	E-Tag IGFSR IR	;		17.0	22.0 19.7
Ratios ove	E-Tag	1	23.4	21.0	22.0
					1.
		XX	õ	Ħ	RL
	Sednence	XXXXXXFYDAIDQLVXXXX	GOSPLSFYDAIDQLVRAFPVG	AGQLGGFYIAICQLVGYEYCT	SAGPLSFYDAIAQLVGPAWRL

Clone	Sequence	Ratios over	Ratios over Background	und	Comparisons	risons IR/ICFR
Design	XXXXXXFYXXhXXhhXXXXXX		; ;	:	: :	
Parental	FYDAIDQLVRGSARAGGTRD	30.6	15.1	4.2	3.6	0.3
20E2Bα-3-B3-IR	AGVNAGFYRYFSTLLDWWDQG	33.5	1.2	23.5	0.1	20.0
20E2Bα-4-F12-IR	SVKEVQFYRYFYDLLQSEESG	35.5	5.9	27.8	0.2	4.7
20E2Ba-3-B8-IR	IEVTQPFYDYFQQLLRLYGND	39.3	18.2	36.5	0.5	2.0
20E2Ba-3-D2-IR	VQCRADFYSYFACLVGRPGSR	42.6	19.7	26.7	0.7	1.4
20E2Ba-3-A5-IR	RNYPIGFYQFFHELVISSGGG	36.9	22.7	24.5	6.0	1.1
20E2Bα-3-A3-IR	DLGGNSFYYGLLRLVLQDAVG	39.9	33.5	35.5	6.0	1.1
20E2Bα-4-E9-IR	CKDQPDFYMGIKCLISGGGSV	32.8	29.6	28.6	1.0	1.0
20E2Bα-4-G8-IR	ACEGGSFYGCLQSLMSVESGN	37.5	30.5	30.9	1.0	1.0
20E2Bα-4-F9-IR	AVHEDGFYDMLRKLLSEGDSS	35.6	32.5	31.1	1.0	1.0
20E2Bα-4-E7-IR	LARNDEFYRYFEQLVFGDTEG	36.0	31.6	31.2	1.0	1.0
20E2Bα-3-D5-IR	ATCASSFYAQLNCLLSDFDVM	39.5	33.1	31.8	1.0	1.0
20E2Bα-4-F7-IR	VQACQNFYDCLNTLLLLDLGG	36.6	32.9	32.5	1.0	1.0
20E2Bα-3-B12-IR	IRGADQFYQFFRELLEGSVGE	37.0	33.4	33.5	1.0	1.0
20E2Bα-3-A11-IR	RAGSRGFYEFFENLLRVGAGG	36.9	34.9	34.2	1.0	1.0
20E2Bα-3-B7-IR	AQRCADFYACIEELLAPGSWR	40.4	37.1	36.3	1.0	1.0
20E2Ba-3-B5-IR	PGGGEGFYQGLQRLILGADGG	41.6	36.4	34.5	1.1	1.0
20E2Bα-4-G1-IR	OKRSEAFYDWIADLLGOETSG	38.5	28.9	26.5	1.1	6.0
20E2Ba-4-G11-IR	WGLRDDFYRGIRCLVQWSEGC	33.2	30.1	27.8	1.1	6.0
20E2Bα-4-E10-IR	DSTVCGFYCRLAQLVAEGGSP	35.4	30.5	28.0	1.1	6.0
20E2Bα-4-F11-IR	QHSCRTFYDCIRVLMDDGQLG	32.5	29.5	28.0	1.1	6.0
20E2Bα-4-H11-IR	WSGNVDFYYMIRQLCGDVCGS	34.8	32.0	28.7	1.1	6.0
20E2Bα-4-H3-IR	QTVHRDFYAALQDLLINDLGF	38.7	34.9	30.5	1.1	6.0
20E2Bα-4-H7-IR	SSGCQDFYSCMIQLVTGGGGD	35.3	32.5	30.5	1.1	6.0

		Ratios ove	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFsR	¥	IGFR/IR	IR/IGFR	
Design	XXXXXXFYXXhXXhhXXXXXX	;	•	:	;	1	
20E2Bu-3-B6-IR	SGPMVGFYRGLFSLLSPEDLQ	39.7	34.9	31.5	1.1	6.0	
20E2Bα-3-D1-IR	LAEPDSFYNWIAQLLEEGFAG	41.6	35.1	31.7	1.1	6.0	
20E2Ba-3-A9-IR	FSGCDNFYSCIQSLWLGPGGV	37.3	35.1	32.4	1.1	6.0	
20E2Ba-3-C4-IR	QVFCDNFYHCIETLLGVGQTP	39.6	36.3	33.4	1.1	6.0	
20E2Bu-4-F3-IR	RGRDNQFYHGLWALLLGSGLE	37.5	36.6	33.6	1.1	6.0	
20E2Ba-4-F4-IR	VSGRGGFYDAIRDLIGPRDQG	37.2	36.9	33.7	1.1	6.0	
20E2Ba-3-D4-IR	PVVLDDFYVALCQLMVQGDCF	42.1	38.0	34.5	1.1	6.0	
20E2Ba-4-E4-IR	PDIADPFYAFFQGLLRADTPI	40.6	38.4	35.5	1.1	6.0	
20E2Ba-4-G10-IR	VAQCTDFYACIRSLVRSGSPG	32.9	31.3	27.1	1.2	6.0	
20E2Ba-3-D11-IR	CSQLVSFYLGMDCLLGRGGTQ	34.0	32.5	27.9	1.2	6.0	
20E2Bα-3-C8-IR	PLACADFYQCLSDLIRGGPAW	39.5	33:0	28.2	1.2	6.0	
20E2Ba-4-F2-IR	VVICTGFYDCIYQLVGSHEEM	38.7	37.6	32.3	1.2	6.0	
20E2Ba-4-H12-IR	CVDRRTFYEGLQCLLGGATGD	32.3	30.4	25.8	1.2	0.8	
20E2Bα-4-E1-IR	VNLRDPFYQWIEALMDSAGGE	39.2	40.2	32.3	1.2	0.8	
20E2Ba-4-H8-IR	LTSSTSFYDALFCLAGLQLCG	37.6	34.8	27.0	1.3	0.8	
20E2Bα-3-B4-IR	DFDSSPFYRGLRQLLESRSFP	39.9	34.9	25.9	1.3	0.7	
20E2Bα-4-E2-IR	HEAGWTFYDAIQCLVGGWCSK	38.8	36.3	23.5	1.5	9.0	
20E2Bα-4-H1-IR	CQQWRSFYHAVSCLLGPDDPD	40.8	33.6	20.2	1.7	9.0	
20E2Bα-3-A10-IR	MVDRDPFYQGLRDLIGRQEKG	32.8	32.6	18.5	1.8	9.0	
20E2Bα-3-D3-IR	LGRRGGFYRGLQDLIGTQWPR	41.9	29.5	5.6	5.3	0.2	

		Ratios ov	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	띪	IGFIVIR IRVIGER	IR/IGFR
Design	XXXXXXFYXXhXXhXXXXXX	:	:	;	;	!
20E2Bβ-4-F7-IR	DALNLRFYSYFQHLMEDQVTD	26.8	3.0	24.2	0.1	8.0
20E2B[3-3-E12-IR	GNSGGSFYRYFQLLLDSDGMS	17.2	1.4	5.5	0.3	4.0
20E2Bβ-4-F3-IR	GDRVPGFYDWIRQLMVDPLEV	25.2	2.0	7.7	0.3	3.9
20E2B()-4-F6-IR	SEREDPFYRWIQAMVEGVSEG	25.7	3.8	11.0	0.4	5.9
20E2B[3-3-D11-IR	GSVACDFYCHMWSLVEQPAGT	14.8	3.6	4.2	0.9	1.2
20E2B[]-3-E5-IR	VHPSAGFYKGLLALIGDSQLG	24.3	6.9	4.3	1.6	9.0
20E2Bβ-3-C9-IR	FCGGLSFYGCLQELLTWESPT	29.7	24.3	15.0	1.6	9.0
20E2Bβ-3-C7-IR	QSGSGDFYDWLSRLIRGNGDG	1.5	3.1	1.5	2.0	٥. ج
20E2Bβ-4-H8-IR	LPRQDGFYDALRRLISEGAGG	25.8	26.9	13.2	2.0	0.5
20E2B }-4-G7-IR	L <u>o</u> pcsgfyecierligvklsg	19.9	25.2	1.6	15.8	0.1

		Ratios or	Ratios over Background	puno	Comparisons		
Clone	Sequence	E-Tag	IGFR	꼼	IGFRIR IR/IGFR	/IGFR	
Design	XXXXXXFXXXhXXhhXXXXXX	1	;	;	;	!	
20E2B-1-A6-IGFR	GVRAMSFYDALVSVLGLGPSG	18.6	18.1	1.1	16.8	0.1	
20E2B-3-C6-IGFR	VEGRGLFYDLLRQLLARRQNG	17.9	16.8	1.1	14.8	0.1	
20E2B-4-H3-IGFR	KLHNLMFYYGLQRLVWGAGLG	11.2	14.8	1.1	13.9	0.1	
20E2B-3-C2-IGFR	GNGDGMFYQLLSLLVGRDMHV	13.1	8.9	9.0	13.8	0.1	
20E2B-3-E3-IGFR	PDLHKGFYAQLAQLIRGQLLS	22.4	16.3	1.3	13.1	0.1	
2B-4-H12-IGFR	YSCGDGFYSLLSDLLGGQFRC	6.5	9.7	0.8	12.8	0.1	
20E2B-3-D2-IGFR	IQQELTFYDLLHRLVRSELGS	20.7	12.4	1.1	11.7	0.1	
2B-3-D8-IGFR	GGTEVDFYRALERLVRGQLGL	20.4	17.7	1.6	11.3	0.1	
20E2B-3-E8-IGFR	LRIANLFYQRLWDLAFGGG	15.7	16.7	1.5	11.1	0.1	
2B-4-F8-IGFR	PVGVQGFYEGLSRLVLGRGGW	12.3	7.3	0.8	9.7	0.1	
20E2B-1-A11-IGFR	RFSTDGFYQYLLALVGGGPVG	15.0	9.5	1.0	9.7	0.1	
20E2B-3-D4-IGFR	NSRDGGFYLQLERLLGFPVTG	8.1	7.9	0.8	9.6	0.1	
20E2B-2-B11-IGFR	VVTPVNFYRALEALVRGQRLG	13.9	10.6	1.1	9.4	0.1	
20E2B-3-C8-IGFR	QPAPDGFYSALMKLIGRGGVS	18.5	15.6	1.8	8.9	0.1	
20E2B-2-B2-IGFR	PGTDLGFYQALRCVVIQGACD	11.7	4.9	9.0	8.1	0.1	
B-4-F10-IGFR	AQPCGGFYGLLEQLVGRSVCD	19.0	17.3	2.2	7.8	0.1	
20E2B-4-F9-IGFR	QPDHSYFYSLLQELVGSEERL	11.9	14.7	1.9	7.7	0.1	
20E2B-3-D11-IGFR	LGVTDGFYAALGYLIHGVGQF	14.3	12.2	1.6	7.6	0.1	
20E2B-3-C11-IGFR	CMMQDGFYAGLGCLLTAGEGR	15.3	15.4	2.1	7.5	0.1	
20E2B-2-B3-IGFR	ICTGQGFYQVLCGLLRGTSAR	9.1	5.3	0.7	7.4	0.1	
20E2B-3-D12-IGFR	QGNVLDFYGWIGRLLAKQGSD	10.3	6.2	0.9	7.3	0.1	
2B-3-E12-IGFR	VATSQGFYSGLSELLQGGGNV	13.9	0.9	0.8	7.3	0.1	
20E2B-2-B8-IGFR	IWATGDFYRLLSQLVMGRVGT	17.4	5.7	0.8	7.2	0.1	
20E2B-4-G11-IGFR	RQGTGSFYLMLEQLLVGARGP	8.9	4.5	9.0	7.0	0.1	
20E2B-3-D6-IGFR	DSVGDNFYQLLESLVGGHGVG	20.7	17.8	5.6	6.9	0.1	
20E2B-2-B7-IGFR	LSSDGQFYRALNLLLQGSAGR	18.0	6.1	6.0	6.7	0.1	
20E2B-3-C4-IGFR	ASSASGFYELL <u>Q</u> RLAGLGLEV	23.4	20.4	3.3	6.2	0.2	

		Katios o	Katios over Background	round	Comparisons	18
Clone	Sequence	E-Tag	IGFR	=	IGFIVIR IRVIGFR	R/IGFR
Design	XXXXXX <u>FY</u> XX <u>h</u> XXhhXXXXXX		;	ŀ	;	;
20E2B-3-D3-IGFR	CGSRRDFYGGIICLLGQKGVV	21.0	16.1	5.6	6.2	0.2
20E2B-4-H8-IGFR	PAGPCGFYCGLGLLLHGDQSP	7.2	5.3	6.0	5.9	0.2
20E2B-3-E9-IGFR	QAAPQDFYQGLWLLIHRDPTM	14.7	16.2	2.8	5.8	0.2
20E2B-4-H9-IGFR	RCQGTGFYTCIQELIGFGDPD	4.5	5.2	6.0	5.6	0.2
20E2B-1-A8-IGFR	TLRSPTFYDWLEMVLTHGQGG	16.1	4.4	6.0	5.0	0.2
20E2B-4-H11-IGFR	STHSRAFYDAIAQLVGSVLGP	10.7	11.0	2.3	4.8	0.2
20E2B-3-C9-IGFR	RQGGGSFYELLCGLVGGEVCV	17.9	19.7	4.2	4.6	0.2
20E2B-3-E6-IGFR	RQQASGFYRALHDLMLRTQDY	24.5	21.6	4.7	4.6	0.2
20E2B-3-E11-IGFR	SRANNLFYMGLSQLLRDNRGL	16.5	7.7	1.9	4.1	0.2
20E2B-4-G8-IGFR	GRALDPFYDQLRDLVARSGGG	11.1	14.9	3.7	4.1	0.2
20E2B-4-H10-IGFR	EASCRTFYCGLMALIGGDDOR	2.2	2.5	0.8	3.1	0.3
20E2B-3-E7-IGFR	QNGCKDFYCLIDNLIRYGPGG	14.4	8.8	3.0	3.0	0.3
20E2B-3-C12-IGFR	QHSCRTFYDCIRVLMDDGQLG	6.2	6.4	2.2	2.9	0.3
20E2B-4-G12-IGFR	LDSRRGFYDWIKALIGDRDVQ	9.6	10.0	3.8	2.6	0.4
20E2B-4-G3-IGFR	C <u>Q</u> QKGDFYAGLVCLLRERASQ	27.2	23.8	9.1	2.6	0.4
20E2B-3-E4-IGFR	GGSQQSFYDVMCMLLQLDPTC	24.9	22.3	8.9	2.5	0.4
20E2B-3-E2-IGFR	VESDVSFYEGLMRLVWWGQGG	18.6	20.5	8.7	2.3	0.4
20E2B-2-B4-IGFR	ERAGDLFYQWFERLVAGHGLE	5.8	2.3	1.0	2.2	0.5
20E2B-3-C5-IGFR	RMPSGSFYQGIYELVTRQGGF	6.3	2.0	6.0	2.2	0.5

		Ratios o	Ratios over Background		Comparisons	NS .
Clone Design	Sequence xxxxxxpvpvexx1.1xxxxxx	E-Tag	IGFR	2	IGFR/IR I	IR/IGFR
NNRPB-4-G6-1R	PAHT.I.ISHAYDVBVANDWA	- 0-	, -			
NNPDB-4-E3-TP	NANAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAV	1 0				D 1
NI - C C - C - C - C - C - C - C - C	ninaribirQvidabin	φ. Ω	L . 3	13.6	1.0	40.5
NNRPa-2-C1-IR	EGWDFYSYFSGLLASVT	19.7	2.0	10.9	0.2	5.3
NNRPα-4-E1-IR	LDRQFYRYF <u>Q</u> DLLVGFM	11.5	6.5	21.2	0.3	3.2
$NNRP\alpha - 3 - H6 - IR$	WĠRSFYRYFETLLAQGI	19.1	2.1	6.0	0.3	2.9
NNRPß-4-F7-IR	RREGFYHYFQSLLDEYG	0.7	6.0	2.3	0.4	2.7
$NNRP\alpha-2-D1-IR$	GGGQFYRYFIDMLVLDI	18.4	1.5	3.7	0.4	2.5
$NNRP\alpha-1-A1-IR$	PTGPFDRYFARRLVWRG	15.2	1.3	3.1	0.4	2.4
NNRPa-2-C10-IR	RGGAFYRYFEGLLSQHN	18.8	3.8	8.8	0.4	2.3
$NNRP\alpha-3-G1-IR$	WRDPFYRYFQDLLEGER	18.9	4.2	8.6	0.5	2.1
NNRPa-4-C3-IR	WGGEFYRYFVQLLSSED	17.9	12.9	25.7	0.5	2.0
$NNRP\alpha-4-D1-IR$	GRESFYGYFLDLLQETV	16.2	12.7	23.2	0.5	1.8
NNRPB-4-F4-IR	GHAEFYGYF <u>Q</u> GLLDSYL	19.5	16.0	25.6	9.0	1.6
$NNRP\alpha-1-B2-IR$	GGEAFYRYFWGLLTEWE	14.8	8.4	12.9	0.7	1.5
$NNRP\alpha-1-B4-IR$	LSSGFYRYFTGLLSDGQ	19.1	6.3	9.5	0.7	1.5
NNRPa-4-D9-IR	DPGAFYRYFAQLMDTWN	7.6	16.9	25.7	0.7	1.5
NNRPB-4-F2-IR	KHEQFYEYFRNLLGAMS	21.6	20.9	30.8	0.7	1.5
NNRPβ-4-H12-IR	RDGAFYRYFEDLLIAVD	5.2	13.8	20.0	0.7	1.5
$NNRP\alpha-4-E7-IR$	RGNRFYEYFEYLLRDYG	9.4	21.9	29.7	0.7	1.4
NNRPα-1-B5-IR	ELGDFYRYFQLLLADWH	14.1	5.4	7.1	0.8	1.3
$NNRP\alpha-4-C4-IR$	AQDAFYSYFSVLLGEHL	17.6	17.6	22.3	0.8	1.3
NNRPa-4-C7-IR	IGVNFYRYFEKLLLDEF	4.5	11.2	14.9	0.8	1.3
$NNRP\alpha-4-D3-IR$	TDSQFYSYFESLLETFG	16.4	13.5	17.9	0.8	1.3

Clone	Commonse	Ratios o	Ratios over Background	round	Comparisons	ns Contraction
Design	XXXXXXFXXLXXXXXX	9 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<u> </u>	: :	ן אואין:	KIGFR
NNRP[]-4-G10-IR	SSREFYSYFSGLLTTAL	8.8	8.7	11.7	0.7	1.3
NNRP[]-4-H2-IR	TGRGFYRYFEGLLEDWM	4.9	19.9	25.3	0.8	1.3
NNRPα-4-C1-IR	SGSWFYRYFEELLLQSG	15.5	18.0	21.1	6.0	1.2
NNRPα-4-C5-IR	GRGGFYQYFLDLLQTEA	18.0	23.3	26.9	6.0	1.2
NNRPa-4-C6-IR	GQNGFYRYFDTLLADWV	7.8	13.6	15.7	6.0	1.2
NNRPa-4-C12-IR	FAGSFYRYFEQLLLSEQ	12.3	16.7	19.9	0.8	1.2
NNRPα-4-D7-IR	DPNAFYRYFEGLLWREH	10.2	23.7	27.9	0.8	1.2
$NNRP\alpha-4-D11-IR$?GLNFYRYFVGLLTDTL	5.4	19.3	22.3	6.0	1.2
NNRP()-4-F1-IR	RHINFYGYFDDLLATWH	21.7	23.0	28.6	0.8	1.2
NNRP }-4-F9-IR	FHRGFYRYFINLLSGDA	10.1	18.4	22.5	0.8	1.2
NNRPβ-4-F12-IR	MGSSFYRYFETLLGQGL	4.5	13.5	16.6	0.8	1.2
NNRPy-4-A3-IR	GSLDFYSYFWERLGLGP	16.4	22.3	26.8	0.8	1.2
NNRPα-1-A7-IR	STVSFYRYFYALLQSPC	16.9	1.2	1.3	6.0	1.1
NNRPα-4-C11-IR	LGGYFYRYFEDLLNHQS	7.8	19.7	21.2	6.0	1.1
NNRPa-4-D8-IR	DHRGFYRYFLYQLAGNV	6.9	17.6	20.1	6.0	1.1
NNRPα-4-D10-IR	EYSGFYGYFNHLLGSLG	6.4	17.2	19.5	6.0	1.1
$NNRP\alpha-4-E5-IR$	TSNWFYQYFTDLLAGED	13.2	26.1	27.6	6.0	1.1
$NNRP\alpha-4-E8-IR$	SSGGFYRYFSQLLTEMN	8.7	22.9	24.2	6.0	1.1
NNRPα-4-E10-IR	VHGEFYRYFESLLRETF	3.5	12.4	13.2	6.0	1.1
NNRPβ-4-F8-IR	SDEGFYRYFAQLLYGVT	8.1	22.9	25.2	6.0	1.1
NNRPβ-4-F10-IR	ETGGFYGYFQALLATYH	5.3	17.9	19.1	6.0	1.1
NNRPβ-4-G8-IR	GDRGFYRYFEWLLNDFG	10.6	27.2	28.9	6.0	1.1
NNRPβ-4-H3-IR	FGGAFYRYFEALLGEMG	3.9	24.2	25.7	6.0	1.1
NNRPB-4-H9-IR	DGGAFYRYFEALLGELD	4.1	26.5	29.3	0.9	1.1
NNRPβ-4-H10-IR	WHSDFYRYFLSLLQEDG	3.4	22.3	24.6	6.0	1.1
NNRPy-4-A6-IR	EEEGFYGYFYRLLGVER	14.9	25.8	27.6	6.0	1.1
NNRPy-4-A8-IR	MDAGFYGYFSDLLANWG	9.6	22.8	24.7	0.9	1.1

FIGURE 2P (Con't)

Clone	Sequence	E-Tag	IGFR	Ħ	IGFR/IR	IR/IGFR
Design	XXXXXXXEYRYFXXLLXXXXXX	1	1	:	;	1
NNRPy-4-A10-IR	SGFAFYQYFQELLAGHD	7.6	20.3	22.0	6.0	1.1
NNRPy-4-B6-IR	GDGGFYGYFASLLSGEG	12.2	22.3	24.2	6.0	1.1
NNRPy-4-B9-IR	EANGFYRYFYDLLQDFG	6.7	22.9	25.9	6.0	1.1
$NNRP\alpha-4-C8-IR$	AVNGFYRYFNRLLESVE	8.5	16.3	16.0	1.0	1.0
$NNRP\alpha-4-C9-IR$	QQDGFYRYFLDLLDEVA	5.6	20.7	19.9	1.0	1.0
NNRPa-4-C10-IR	ISQGFYGYFSRLLQDTE	6.7	16.5	17.2	1.0	1.0
NNRP α -4-E11-IR	YSTGFYRYFLDLLDGMP	0.9	20.3	20.9	1.0	1.0
NNRP()-4-F11-IR	PNGDFYRYFLDLLGSVG	7.7	21.8	21.9	1.0	1.0
NNRP()-4-G2-IR	RHQAFYSYFRDLPRECP	19.1	24.7	25.6	1.0	1.0
NNRPβ-4-G9-IR	ETEGFYRYFEELLAQVA	7.8	27.3	26.4	1.0	1.0
NNRPβ-4-H7-IR	AGDRFYDYFDRLLADYD	5.6	26.6	27.9	1.0	1.0
NNRP \00e4-H8-IR	GGSGFYRYFWGLLAEQE	3.6	23.0	24.1	1.0	1.0
NNRPy-4-B1-IR	LLNRLYRYFAGAEGWFG	17.6	24.5	23.4	1.0	1.0
NNRPy-4-B10-IR	DGSGFYRYFEMLLGSGL	5.5	18.3	19.0	1.0	1.0
NNRPa-1-B3-IR	RDMAFYRYFSHLLESFQ	16.4	13.4	12.7	1.1	6.0
NNRPa-2-C2-IR	GNAGFYRISRILWQGTE	22.5	24.4	21.3	1.1	6.0
NNRPa-2-C3-IR	GNAGFYRYFADLMAGYE	19.6	21.7	19.7	1.1	6.0
$NNRP\alpha-2-D10-IR$	YQAAFYRYFATLLSTTD	17.8	6.3	5.4	1.2	6.0
NNRPα-3-E11-IR	GGLGFYRYFQLLLGSSG	12.9	10.8	9.6	1.1	6.0
NNRPa-3-F5-IR	DGSGFYGYFDFVLRQFE	25.1	18.3	17.0	1.1	6.0
NNRPa-3-F8-IR	VGSGFYRYFDQLLGMYG	22.2	15.7	13.9	1.1	6.0
NNRPα-3-F10-IR	YGTDFYLYFDQLLLQYG	20.5	14.6	13.1	1.1	6.0
NNRPa-3-G7-IR	FNSSFYLYFRDLLNTVG	21.0	18.3	15.6	1.2	6.0
NNRPa-4-C2-IR	RAAGFYRYFEDLLGARG	25.5	25.1	23.3	1.1	6.0
NNRPα-4-D12-IR	TGAGFYRYFIDLLGETG	14.7	19.7	18.5	1.1	6.0
NNRPβ-4-G3-IR	RDLEFYGYF <u>Q</u> ELLRLNF	14.6	27.8	25.7	1.1	6.0
NNRP }-4-G4-IR	GMGPFYRYFIDLLRESD	20.0	28.6	24.9	1.1	6.0
NNRPy-4-A5-IR	HGDGFYQYFMEVLRLQN	17.0	29.0	27.3	1.1	6.0

FIGURE 2P (Con't)

Clone	Sequence	E-Tag	IGFR	R	IGFR/IR IR/IGFR	IR/IGFR
NNRPy-4-A12-IR	AFYRYFRDLLFSGF	4.9	16.3	14.9	 	6.0
NNRPy-4-B8-IR	DDRGFYRYFESLLLGSS	6.1	21.3	19.9	1.1	6.0
NNRPa-1-A5-IR	LSTSFYQYLAGLLRGDR	2.3	1.4	1.1	1.2	0.8
NNRPa-1-B7-IR	GSSGFYRYFNMLMLSQT	19.2	15.7	12.4	1.3	0.8
NNRPa-2-C7-IR	GDRGFYRYFEGLLASVG	19.6	20.0	16.5	1.2	0.8
NNRPa-2-C11-IR	NSAAFYRYFEQLLEREV	20.1	20.0	16.3	1.2	0.8
NNRPα-2-C12-IR	LSDGFYRYFEQLMGARS	14.3	10.1	8.5	1.2	8.0
NNRPa-2-D12-IR	RSTLFYRYFQNLLEEVG	11.5	11.4	9.3	1.2	0.8
$NNRP\alpha-3-G2-IR$	TRGGFYRYFEDLLQVYS	20.8	20.7	16.1	1.3	8.0
NNRPa-3-G8-IR	GVSGFYRYF <u>Q</u> SLLDSYG	14.7	11.0	9.5	1.2	9.0
NNRPα-3-G10-IR	QNDAFYSYFNSLLQAYT	18.8	16.5	13.9	1.2	0.8
NNRPa-3-G11-IR	RQQDFYRYFRQLLLEEV	12.0	10.3	8.5	1.2	8.0
NNRPa-3-G12-IR	EGSGFYRYFEKLLL <u>o</u> sp	11.7	11.8	9.3	1.3	9.0
NNRPy-4-B2-IR	RHKAFYRYFEELLQKNV	22.8	30.3	25.3	1.2	0.8
NNRPa-1-B8-IR	GRMTRLIVRSTVISRELLHYSL	16.1	10.1	6.9	1.5	0.7
NNRPa-2-C5-IR	QALSFYRYFERLLDEVS	18.1	19.2	13.7	1.4	0.7
NNRPa-2-C9-IR	SKSAFYRYFDELLGNSG	22.9	21.7	16.1	1.3	0.7
NNRPa-2-D2-IR	LGGAFYRYFAQLLNSHV	26.1	26.2	17.6	1.5	0.7
NNRPa-2-D5-IR	LNSGFYGYFVQLLSGHQ	21.7	21.1	15.4	1.4	0.7
NNRPa-2-D11-IR	SQSSFYRYFESLLEDNP	12.3	10.8	7.8	1.4	0.7
NNRPa-3-E2-IR	ADGGFYGYFAALLGSVS	24.4	25.5	18.3	1.4	0.7
NNRPa-3-E4-IR	QNGSFYRYFIALLGDSG	23.0	22.3	14.7	1.5	0.7
NNRPα-3-F4-IR	WDTGFYRYFIELLEDRD	24.9	25.1	17.6	1.4	0.7
NNRPα-3-G4-IR	HPRDFYRYFERLLNQVD	20.9	20.4	14.1	1.5	0.7
NNRPα-3-H4-IR	DGGAFYRYFMDLLGAHE	17.7	17.6	11.6	1.5	0.7
NNRPa-4-E12-IR	AGRGFYRYFEHLLAGRE	4.3	15.4	10.8	1.4	0.7
NNRPβ-4-G11-IR	SSRGFYRYFRELLADSW	9.9	18.4	13.1	1.4	0.7
NNRPß-4-H6-IR	KYSGFYEYFNALLGRRE	2.2	16.1	11.7	1.4	0.7

FIGURE 2P (Con't)

Clone	Sequence	E-Tag	IGFR	IR	IGFR/IR IR/IGFR	IR/IGFR	
Design	XXXXXXFYRYFXXLLXXXXXX	:	;	!	;	!	
NNRPB-4-H11-IR	DYTAFYGYFNNLLRTSG	2.3	12.4	9.0	1.4	0.7	
NNRPα-1-B1-IR	FQSSFYGYFESLLMSYK	18.8	18.7	11.5	1.6	9.0	
NNRPa-2-D7-IR	DINAFYRYFEGLLWSEH	21.0	21.8	13.2	1.6	9.0	
NNRPα-2-D8-IR	GGSSFYRYFEQLLAQWE	20.2	19.8	12.2	1.6	9.0	
NNRPα-3-E1-IR	SQGGFYRYFEKLLDEVT	20.0	20.5	12.9	1.6	9.0	
NNRPa-3-E5-IR	RSGLFYRYFEELLQGAI	20.0	24.5	15.5	1.6	9.0	
NNRPa-3-H3-IR	QGGGFYHYFLSLLEEVG	19.8	19.1	12.2	1.6	9.0	
$NNRP\alpha-3-H5-IR$	WRGAFYRYFQTLLSDEG	19.9	18.0	11.1	1.6	9.0	
$NNRP\alpha-1-A3-IR$	AAGFYGYFYSLLGDQT	24.4	14.9	7.9	1.9	0.5	
$NNRP\alpha-3-E6-IR$	RNSGFYRYFQHLVSEWE	23.1	19.0	9.6	2.0	0.5	
NNRPa-3-F9-IR	QHRLFYSYFAELLGRDT	21.1	18.8	9.6	1.9	0.5	
NNRPa-3-G6-IR	QIDEFYRYFADQLRGFA	22.4	17.7	9.0	2.0	0.5	
NNRPa-3-H9-IR	LGGGFYRYFNLLVMGSG	18.3	13.1	6.9	1.9	0.5	
NNRPa-1-A8-IR	GDRAFYRYFQRQLEGWG	16.9	13.8	5.7	2.4	0.4	
NNRPa-1-A9-IR	CEDAFYRYFVNLLGQGC	16.5	15.2	5.6	2.7	0.4	
NNRPa-2-D6-IR	NYSQFYRYFEMLLEGDV	19.4	18.5	6.8	2.7	0.4	
NNRPα-3-F6-IR	VGDAFYRYFQGLLRQDQ	22.8	19.5	7.9	2.5	0.4	
NNRPa-3-H2-IR	MHGSFYRYFQDLLQAPP	19.9	18.9	8.5	2.2	0.4	
NNRPa-1-B6-IR	DVGDFYRYFGLLLTSDR	14.1	11.5	3.9	3.0	0.3	
NNRPa-2-C6-IR	NSAAFYGYFSQLLAQIR	18.4	19.2	4.1	4.7	0.2	
NNRPy-4-A1-IR	IIGGFYSYFNSVLRLGT	7.6	10.9	1.8	6.0	0.2	
NNRPy-4-A7-IR	RFDPFYSYFVNLLGASA	2.5	6.3	1.3	4.9	0.2	
NNRPy-4-A9-IR	EGSGFYGYFFSLLGLQG	3.0	10.0	1.4	7.1	0.1	
NNRPy-4-B11-IR	LKDGFYDYFWQRLHLGS	4.1	18.7	1.2	15.5	0.1	

		Ratios ov	Ratios over Background	pun	Comparisons	Suus
Clone	Sequence	E-Tag	IGFSR		IGFR/IR IR/IGFR	R/IGFR
Design	XXXXXXXXXXXXXXXX	1	:	:		;
R20-4-F9-IGFR	PLAELWAYFEHSEQGRSSAH	33.1	19.3	1.0	19.3	19.3 0.1
R20-4-H4-IGFR	PVLSGLLRYFAGGPLGQPQS	24.1	5.6	3.2	1.8	9.0
R20-4-F9-IGFR	GGYLDDLWHYFRDGQALQPW	2.5	2.4	1.4	1.7	9.0
R20-4-D6-IGFR	VDQRQGGWLLALENYFRSTV	6.1	2.9	1.9	1.5	0.7
R20-4-G2-IGFR	DVPAGGLLRQMWVYFRDSDP	6.3	2.2	2.0	1.1	6.0

Ratios over Background Comparisons	E-Tag IGFsR IR IGFR/IR IR/IGFR		35.5 32.8 17.9 1.8 0.5
	Sequence	XXXXCXXXXXXXXXXXXXXXXX	RRVACTQADGLLCESDPLKALLSYF
	Clone	Design	20C-3-F3-IGFR

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		Katios ov	Katios over Background	puno	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR	IR/IGFR	
Design	XXXLXXLXXYEXXXXX	:	;	:	•	;	
rB6-4-E7-IR	LDPLDALLQYFWSVPGH	26.4	1.0	15.5	0.1	15.5	
rB6-4-A12-IR	LDALDRLMRYFEERPSL	34.9	1.0	12.0	0.1	12.0	
rB6-3-E6-IR	ADELEWLLDYFMHQPRP	0.6	1.0	4.8	0.2	4.8	
rB6-4-E11-IR	DOELGWLRGYFEWTARD	31.2	1.6	5.9	0.3	3.7	
rB6-4-F12-IR	DGVLEELFSYFSATVGP	30.4	1.0	3.4	0.3	3.4	
rB6-4-D11-IR	PMNLSELWDYFRLKPGR	41.9	15.7	30.2	0.5	1.9	
rB6-4-A8-IR	DSILRELRDYFAPYSHC	25.6	2.4	4.6	0.5	. 1.9	
rB6-4-E8-IR	DDALEWLLNYFQNGHVQ	33.0	7.6	15.9	9.0	1.6	
rB6-4-B9-IR	GDILDALLRYFEFGVDT	42.7	17.2	21.7	0.8	1.3	
rB6-3-A6-IR	GDQLAWLLAYFQSDGSD	32.3	5.9	2.8	1.0	1.0	
rB6-4-C7-IR	DGVLEGLLSYFTSTNSH	31.4	5.6	2.3	1.1	6.0	
rB6-4-H12-IR	ARPLDWLLDYFKQGARG	26.0	10.0	7.2	1.4	0.7	
rB6-3-C6-IR	DDMLRQLWLYFEASAGG	34.2	19.1	12.8	1.5	0.7	
rB6-4-G12-IR	DPWLAWLGRYFGETATG	37.7	6.1	3.1	2.0	0.5	
rB6-4-G12-IR	DPTLFGLLRYFQESGIA	33.3	7.6	3.5	2.2	0.5	
rB6-4-C11-IR	MDPLRGLLMYFSQGGLV	26.6	18.7	4.7	4.0	0.3	
rB6-4-G8-IR	DGLLWQLWDYFALSEHR	37.3	7.4	1.3	5.7	0.2	
rB6-4-B8-IR	DNWLSALMAYFMGSGES	31.1	28.6	1.0	28.6	<0.1	
rB6-4-D7-IR	DDVLNYLLGYFRQSDGL	24.1	29.4	1.0	29.4	<0.1	

·	· ·	Ratios ove	Ratios over Background	pun :	Comparisons	sons
Clone	Sequence	E-1 ag	GFSK	¥	GFK/IR IK/IGFR	KIGFR
Design	AKALAKLIKAKAKA	, , ,			' '	
rb6-4-B10-1GFR	KrvbGwbfDifvASDPM	1.55	•	→ -	70.7	40.T
rB6-3-E6-IGFR	RWPLSALMDYFRRSDGV	37.6	26.6	1.0	26.6	<0.1
rB6-4-B9-IGFR	DGVLASLWRYFVSGGTL	39.2	26.3	1.0	26.3	<0.1
rB6-3-F5-IGFR	DRQLGWLWDYFHLTDLP	33.2	15.6	1.0	15.6	0.1
rB6-3-B6-IGFR	DGILGLLMAYFVES?RV	37.4	13.3	1.0	13.3	0.1
rB6-3-D4-IGFR	QDLLGRLWLYFAETDTV	31.2	20.7	2.0	10.4	0.1
rB6-4-D10-IGFR	SGVLADLFRYFQRHPWP	31.7	10.1	1.0	10.1	0.1
rB6-3-D6-IGFR	DPPLGGLWTYFSRSDPG	33.9	6.6	1.0	6.6	0.1
rB6-4-F9-IGFR	DSVLRSLYSYFASGDIA	34.3	28.3	3.0	9.4	0.1
rB6-3-E1-IGFR	DGVLAALEAYFRHGPRD	30.5	9.3	1.0	9.3	0.1
rB6-3-B2-IGFR	DEILGALYSYFSLSGGA	22.2	8.8	1.0	8.8	0.1
rB6-3-D7-IGFR	QDVLGALQRYFASGEPW	31.2	7.6	1.0	7.6	0.1
rB6-4-C11-IGFR	DSVLQYLLNHFGADSKQ	33.7	7.6	1.0	7.6	0.1
rB6-4-F12-IGFR	NEVLEGLFSYFVY? ANG	38.1	7.3	1.0	7.3	0.1
rB6-4-F7-IGFR	SGILGQLLRYFKGAGGG	38.6	7.3	1.0	7.3	0.1
rB6-3-G6-IGFR	DELLDRLWQYFQVGGDL	34.0	7.1	1.0	7.1	0.1
rB6-4-E8-IGFR	PGILLDLWRYFASAPDQ	37.6	6.9	1.0	6.9	0.1
rB6-4-G10-IGFR	DSVLLDLYEYFSSGSSG	34.9	14.5	2.2	9.9	0.2
rB6-4-B12-IGFR	DGMLSRLWEYFAGTNVP	36.3	28.9	4.5	6.4	0.2
rB6-3-B5-IGFR	DVILGGLWDYFASGGGH	17.2	6.1	1.0	6.1	0.2
rB6-3-C5-IGFR	GGVLAALERYFRVSAGD	38.7	15.8	2.9	5.4	0.2
rB6-4-B8-IGFR	DEVLGRLWAYFAQESLG	31.9	22.0	4.1	5.4	0.2
rB6-3-H2-IGFR	DGILQSLWDYFARSPVG	31.8	22.4	4.2	5.3	0.2
rB6-3-E5-IGFR	VDILSELWDYFRRGEEG	37.0	20.5	4.0	5.1	0.2
rB6-3-B3-IGFR	DKVLRLLGEYFATHSKG	31.7	4.8	1.0	4.8	0.2
rB6-4-G7-IGFR	QGPLAWLRDYFASGTRS	37.4	10.0	2.1	4.8	0.5
rB6-3-A3-IGFR	QDVLRSLLSYFMGNGDV	27.2	4.7	1.0	4.7	0.2
rB6-4-E9-IGFR	DGVLSKLWEYFKIQGND	37.3	20.1	4.8	4.2	0.2

		Katios ov	Katios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFsR	띰	IGFRIR IRIGFR	R/IGFR
Design	XXXLXXLXXYEXXXXXX		!		:	:
rB6-3-F1-IGFR	NTILGDLWRYFAGSGGM	26.5	5.8	1.4	4.1	0.2
rB6-4-B7-IGFR	?DVLKKL?VYFELSGGA	31.1	11.4	2.9	3.9	0.3
rB6-4-C10-IGFR	GGPLQGLYTYFKQSPVC	32.2	3.7	1.0	3.7	0.3
rB6-3-A1-IGFR	DRLLSGLWAYFAGNGGS	21.1	3.5	1.0	3.5	0.3
rB6-3-F6-IGFR	DLILQSLLDYFQGRPVG	25.1	3.5	1.0	3.5	0.3
rB6-3-H5-IGFR	LALLPMLWDYFVATDPQ	35.5	18.1	5.6	3.2	0.3
rB6-4-D8-IGFR	DSILRELRDYFARTHIA	36.2	22.5	7.5	3.0	0.3
rB6-4-A8-IGFR	DGVLGQLWQYFAQYPGS	41.1	30.6	10.6	5.9	0.3
rB6-4-H8-IGFR	PPLDALWEYFTGTARD	38.7	33.0	11.5	5.9	0.3
rB6-3-E2-IGFR	DNVLEGLWSYFALWSQL	20.9	2.2	1.0	2.2	0.5
rB6-3-C2-IGFR	SAVLEYLLAYFARTGAA	31.0	2.1	1.0	2.1	0.5
rB6-4-G8-IGFR	DRALGPLWRYFMVNNGQ	38.7	5.5	5.6	2.1	0.5
rB6-3-G5-IGFR	WRILDRLLAYFKESQGD	32.8	2.0	1.0	2.0	0.5
rB6-4-C9-IGFR	DDVLVTLFQYFRASTGV	37.6	30.2	15.1	2.0	0.5
rB6-4-D11-IGFR	FDVLTWLGRYF*MNTGK	36.6	5.5	3.0	1.8	0.5
rB6-4-B11-IGFR	RDVLDGLREYFRASVGG	25.2	4.2	2.4	1.8	9.0
rB6-4-E11-IGFR	IKTLNDLLAYFRGDLDV	38.1	29.8	22.2	1.3	0.7
rB6-3-G3-IGFR	DEALLWLMRYFRGSPSP	31.6	8.7	7.2	1.2	8.0
rB6-4-H12-IGFR	ESPLDALRAYFSGRRNW	40.1	2.8	2.5	1.1	6.0
rB6-4-G12-IGFR	IQSL*DLLQYFVSSPSV	36.7	32.5	31.4	1.0	1.0
rB6-3-C4-IGFR	GGILD?LQDYFRSTDVG	37.1	6.2	13.5	0.5	2.2

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HLCVLEELFWGASLFGYCSG

Clone Design R20β-4-F8-IR

risons	IRVIGFR	;	15.4
Comparisons	IGFR/IR	:	0.1
punc	R	:	27.7
Ratios over Background	IGFSR	;	1.8
Ratios ove	E-Tag	:	39.1

Figure 4A

		Ratios ove	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-Tag	IGFsR	꿈	IGFR/IR	IR/IGFR	
Design	HLCVLEELFWGASLFGYCSG	:	1	:	:	!	
F815-4-H9-IR	PLCVLEELFWSTPLFGQCSY	34.9	6.0	37.6	<0.1	40.8	-
F815-3-B1-IR	HLCVLEELFWGASLFAQCVG	31.7	6.0	35.8	<0.1	39.3	
F815-3-D1-IR	DLCVLEELFWGASRFGQCSG	30.4	0.9	33.5	<0.1	38.9	
F815-3-D4-IR	HLCVLEELFWGASLFGQCAG	31.5	6.0	33.6	<0.1	38.8	
F815-3-C5-IR	HLCVVEELFWGASLFGQCSG	31.1	0.8	31.2	<0.1	38.5	
F815-4-H3-IR	NLCDLEVLFWGASLFRQCSG	33.7	1.0	37.2	<0.1	38.4	
F815-3-A5-IR	PLCVLEEQFWGASLFGQCSG	37.4	1.1	40.9	<0.1	38.3	
F815-3-D7-IR	QLCVLEELFWGASEFGQCSG	33.6	6.0	34.3	<0.1	38.3	
F815-3-A1-IR	HLCELEELFWGASLFGQCSG	29.8	6.0	34.8	<0.1	38.0	
F815-4-H4-IR	PLCVLEELFWGESLFGQCSG	31.1	6.0	32.7	<0.1	38.0	
F815-3-A3-IR	HLCVLEELFWGASRFGQCSG	32.8	1.0	39.1	<0.1	37.9	
F815-3-B3-IR	KLCVLEELFWGASLFGQCSG	33.7	1.0	37.5	<0.1	37.5	
F815-3-A4-IR	YLCVLEELSWGASLFGQCSG	32.5	1.0	36.9	<0.1	37.5	
F815-3-D2-IR	HLCVLEELLWGASLFAQCSG	31.9	6.0	34.1	<0.1	37.4	
F815-3-C4-IR	QLCVLEQLFWGESLFGQCSG	31.6	0.8	31.8	<0.1	37.4	
F815-3-B4-IR	HLCVLEELFWGGNLFSQCSG	33.8	1.0	36.7	<0.1	37.3	
F815-3-C1-IR	HLCVLEELFWGASLYGQCSG	29.0	6.0	35.0	<0.1	37.3	
F815-4-G9-IR	SLCALEEQFWGAALFGYCSG	36.5	1.0	38.9	<0.1	37.1	
F815-4-G6-IR	HLCVLEEQFWGASLFDGCAG	34.9	1.0	36.4	<0.1	37.0	
F815-3-A8-IR	QLCVLEELFWGASLFGQCSG	34.7	1.1	39.3	<0.1	36.9	
F815-4-G5-IR	PLCVLEELFWGAALFGQCSG	26.5	1.0	35.1	<0.1	36.8	
F815-3-B5-IR	HLCVLEELFWGASLFGQCTG	33.2	6.0	34.1	<0.1	36.8	
F815-4-F4-IR	PLCVLEELFWGGSLFGQCSG	28.6	0.8	30.0	<0.1	36.7	
F815-3-A2-IR	QLCVLEELVWGASLFGQCSG	32.5	1.0	36.6	<0.1	36.6	
F815-3-B6-IR	HLCVVEELIWGASLFGQCSR	31.6	6.0	32.9	<0.1	36.5	
F815-4-H7-IR	DLCVLEELFWGASLFGQCAG	33.7	1.0	37.6	<0.1	36.4	
F815-4-H8-IR	QLCVLEERFWGASLFGQCSG	35.8	1.0	37.0	<0.1	36.4	
F815-4-G7-IR	NLCVLEELFWGAALFGQCSG	33.7	1.0	35.8	<0.1	36.3	

		Ratios ove	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	¥	IGFR/IR	IR/IGFR	
Design	HLCVLEELFWGASLFGYCSG	1	:	:	;	1	
F815-3-A6-IR	QLCVLEELFWGSSLFGQCSG	34.6	1.1	39.0	<0.1	36.2	
F815-3-D3-IR	DLCVVEELFWGKSLFGQCSG	33.8	1.0	36.2	<0.1	36.2	
F815-3-B12-IR	DLCVLEELFWGSSLFGQCSG	33.2	1.0	35.7	<0.1	36.2	
F815-4-G10-IR	YLCVLEEQFWGASLFRQCFG	35.4	1.0	37.2	<0.1	36.1	
F815-4-E3-IR	HLCVLEELLWGSSLFGQCSG	32.4	1.0	35.0	<0.1	36.1	
F815-4-E6-IR	PLCGLEELFWGASLFGQCSD	33.2	1.0	34.5	<0.1	36.1	
F815-4-F1-IR	HLCVLEELFWGSSLFAQCSG	29.4	6.0	32.5	<0.1	36.0	
F815-4-G8-IR	PLCAIEELFWGAALFGQCSG	36.8	1.1	38.2	<0.1	35.9	
F815-4-H12-IR	HLCVLEEQFWGASLFGDCSG	30.5	6.0	31.9	<0.1	35.9	
F815-4-G3-IR	PLCVLEELFWGAPLFGQCSD	31.4	1.0	35.7	<0.1	35.7	
F815-3-C2-IR	DLCGLEELFWGAALFGOCTS	32.3	1.0	36.1	<0.1	35.6	
F815-4-E10-IR	QLCVLEKQLWGASLFWQCSG	35.4	1.0	36.5	<0.1	35.4	
F815-3-A12-IR	HLCVLEELFWGASLYGQCPG	32.1	1.0	36.3	<0.1	35.3	
F815-3-B8-IR	HLCVLEELFWGASLFDQCSG	33.6	1.0	35.8	<0.1	35.3	
F815-3-B2-IR	HLCVLEELLWGASLFGQCSG	31.0	1.0	35.3	<0.1	35.3	
F815-3-C3-IR	PLCVLEELFWGVSLFGQCGG	30.1	1.0	35.3	<0.1	35.3	
F815-3-A7-IR	HLCVLEELFWGASQWGQCSG	33.1	1.0	35.8	<0.1	35.2	
F815-4-F9-IR	RLCVLEEQFWGGALFGQCSG	. 33.4	1.0	35.7	<0.1	35.2	
F815-3-B7-IR	QLCVLEELFWGVSLFAQCSG	32.0	1.0	33.5	<0.1	35.0	
F815-4-E4-IR	HLCVLEELFWGAALFGQCFG	28.0	1.0	33.4	<0.1	35.0	
F815-4-E12-IR	YLCVLEELFWGASQFGQCSG	28.0	6.0	30.2	<0.1	34.8	
F815-4-F8-IR	HLCVLEELYWGASLFGQCSG	33.8	1.0	35.2	<0.1	34.7	
F815-3-C7-IR	HLCVLEERFWGVSLFGQCSG	33.9	1.0	34.7	<0.1	34.7	
F815-4-F10-IR	PLCVLEELFWGASRFGQCSG	32.7	1.0	34.2	<0.1	34.7	
F815-3-D11-IR	HLCVLEDLFWGASLFDQCSG	35.4	1.1	37.3	<0.1	34.6	
F815-4-E7-IR	HLCDLEVLFWGASLFGQCSG	30.3	0.9	32.2	<0.1	34.6	
F815-3-A10-IR	QLCILEEQFWGTSLFGYCSG	34.0	1.1	36.4	<0.1	34.3	
F815-3-B11-IR	ALCVLEELFWGESLFGQCSG	33.7	1.1	36.3	<0.1	34.2	

		Ratios ove	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	IGFSR	IR	IGFR/IR	IR/IGFR
Design	HLCVLEELFWGASLFGYCSG	:	1	;	:	:
F815-4-F11-IR	RLCVLEERFWGAALFGQCSG	31.8	1.0	33.7	<0.1	34.2
F815-3-A9-IR	PLCVLEELFWGASLFGQCSG	31.9	1.0	35.5	<0.1	34.1
F815-4-G11-IR	SLCVLEELFWGGSRFGQCSG	32.3	1.0	34.4	<0.1	33.9
F815-3-D8-IR	HLCLLEEQFWGASLFGYCFE	32.3	1.0	33.3	<0.1	33.7
F815-4-G4-IR	HLCVLEEQFWGASLFGQCSG	23.8	1.0	32.2	<0.1	33.7
F815-3-C8-IR	DLCLLEELLWGASRFGOCSG	33.9	1.0	35.1	<0.1	33.6
F815-4-G12-IR	YLCVLEERFWGASLFGQCSG	31.7	1.0	33.5	<0.1	33.5
F815-3-D12-IR	HLCVLEEQFWGASLFGSCSG	33.3	1.0	34.8	<0.1	33.4
F815-4-F7-IR	QLCVLEEQLWGASLFGQCSG	33.3	1.0	34.3	<0.1	33.4
F815-4-F2-IR	HLCVLEELF*GESLFGYCSG	26.1	1.0	33.8	<0.1	33.3
F815-3-B9-IR	HLCVLEELFWGASLFGQCSG	33.6	1.1	35.7	<0.1	33.2
F815-4-H2-IR	PLCVLEELFWGASHFGQCSG	36.1	1.2	38.4	<0.1	33.0
F815-4-E11-IR	HLCVLEELVWGASLFGQCAG	33.2	1.1	35.4	<0.1	33.0
F815-4-G1-IR	QLCVLEELIWGASLFGQCAG	27.9	1.0	31.5	<0.1	32.8
F815-3-A11-IR	HLCGLEELFWGASLFGCCSG	37.7	1.2	40.1	<0.1	32.7
F815-4-F6-IR	HLCVLEELVWGESLFGQCSG	32.3	1.1	34.6	<0.1	32.6
F815-3-D9-IR	RLCVLEELYWGASLFGOCSG	31.4	1.0	32.5	<0.1	32.5
F815-3-C11-IR	RLCILEELFWGASLFGOCSG	33.4	1.1	35.7	<0.1	31.9
F815-4-G2-IR	HLCVLEELFWGATLFDQCSG	30.2	1.1	34.3	<0.1	31.4
F815-3-C9-IR	HLCFLEELFWGASMFGQCSG	29.7	1.0	31.4	<0.1	31.0
F815-4-H10-IR	HLCIVEELFWAAPLFGOCSG	31.9	6.0	27.6	<0.1	29.4
F815-4-F3-IR	HLCVLEELWWGASLFAQCSA	19.4	1.0	28.0	<0.1	28.9
F815-4-F5-IR	NLCALEELFWGASQFRYCPG	12.3	6.0	24.8	<0.1	26.8
F815-4-H1-IR	RLCVLEELFWGASLFGQCSG	6.9	1.0	15.8	0.1	16.5
F815-4-E5-IR	PLCVLEELFWGASLFGQCPG	3.5	1.0	13.6	0.1	14.0
F815-4-H5-IR	NLCVLEELFWGASLFGQCSG	5.5	1.0	13.1	0.1	13.5
F815-3-C10-IR	QLCVLG#RFWGGSLCGYCSD	3.5	1.1	5.2	0.2	4.5

Figure 4B (Con't)

		Ratios ove	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	≅	IGFR/IR IR/IGFR	R/IGFR
Parental/Design	HLCVLEELFWGASLFGYCSG	39.1	1.8	27.7	0.1	15.4
F815-4-F11-IGFR	PLCFLQELFGGASLGGYCSG	33.4	12.3	1.0	12.3	0.1
F815-4-E12-IGFR	FMCGLQELVGGAALLGHCSG	33.7	15.1	1.7	8.9	0.1
F815-4-H10-IGFR	PLCFLOELFGGGSLSGYCSG	30.1	8.5	1.0	8.5	0.1
F815-4-B7-IGFR	FLCGLEELAWGVSRSGYCFG	35.2	23.9	4.8	5.0	0.2
F815-3-B5-IGFR	PLCFLAELFSGSALGGDCSR	33.9	4.8	1.0	4.8	0.2
F815-4-D12-IGFR	PLCVLQELFGGGSLGGYCSG	33.6	7.0	1.8	3.9	0.3
F815-4-C11-IGFR	QLCVLE#LFWGACLFGYCAG	13.9	4.6	1.8	5.6	0.4
F815-4-C7-IGFR	FLCGLQELSGVASLFGQCSG	16.8	2.0	1.0	2.0	0.5
F815-4-E7-IGFR	RVCVLEQLVWGASLFGA*SG	26.9	3.8	1.9	2.0	0.5
F815-4-G7-IGFR	FYCGLEELSWGAALFGYCSG	30.4	9.0	5.0	1.8	9.0
F815-4-A10-IGFR	FLCGLEELSQGAVLFGHCYG	30.8	3.7	2.2	1.7	9.0
F815-3-B3-IGFR	HLCVLVGLFWDASLFGQCSG	7.6	1.0	2.0	0.5	2.0
F815-3-G1-IGFR	QRCIRAALFWCATLLGGCAG	20.5	1.0	2.0	0.5	2.0
F815-4-G12-IGFR	HQCI PDGMSQGAALRGNCSD	7.6	1.0	2.5	0.4	2.5
F815-3-H1-IGFR	HLCVLEDELWGVSLFGYCSS	18.4	1.0	6.8	0.1	6.8

		Ratios ov	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	꿈	IGFR/IR	INIGFR
Parental/Design	HLCVLEELFWGASLFGYCSG	39.1	1.8	27.7	0.1	15.4
F820-4-B5-IR	HLCMLEEQFWGASLFSRCSG	28.1	6.0	17.9	<0.1	21.1
F820-4-A2-IR	TCAFWKNGSGVRRCSVTAVV	34.0	1.6	22.7	0.1	13.9
F820-4-E2-IR	PLCGLKN.SGVRLCSSPALV	21.3	0.7	9.0	0.1	13.4
F820-4-D10-IR	PLCLQEELFWGASLFGYCSG	34.1	1.0	12.1	0.1	12.1
F820-4-H7-IR	PLCDLEELFWGASLFGDCPG	14.2	9.0	6.5	0.1	11.6
F820-4-G6-IR	DLCVLEELFWDGSLFASCSG	14.0	0.5	6.1	0.1	11.5
F820-4-C2-IR	PLCVLEEQLWGTALFGSCTG	38.1	1.2	11.8	0.1	6.6
F820-4-B4-IR	PLCLVEELLWGASLFSQCTG	15.1	0.7	6.4	0.1	8.7
F820-4-C7-IR	PLCDLEELYWGAALFGSCSG	46.3	2.7	22.2	0.1	8.2
F820-4-F10-IR	GLCFLEEQFWGTSLFRDCPG	14.5	9.0	4.7	0.1	8.0
F820-4-G5-IR	PLCVVEELFWGASLYGQCSG	8.8	9.0	4.4	0.1	7.5
F820-4-F2-IR	RLCVLEELFWGASRFRGCSG	11.7	9.0	4.2	0.1	7.4
F820-4-H8-IR	PLCVLEELHWGAALFGYCSG	16.0	9.0	4.7	0.1	7.3
F820-4-D7-IR	NLCVVEELFWGASLFPNCSG	14.5	0.8	5.9	0.1	7.1
F820-4-B2-IR	QLCVLEELFWGASMFEDCSG	5.0	0.4	2.4	0.5	6.9
F820-4-C3-IR	HLCVLEEQFWGASLFGQCSG	37.5	1.1	7.5	0.5	9.9
F820-4-H4-IR	PLCVLEEIYWGAALFGDCYG	21.2	1.1	6.4	0.2	5.9
F820-4-B10-IR	PLCVLEELFWGLSLDKNCS	7.5	0.7	3.7	0.5	5.6
F820-4-A5-IR	QLCVLEELFWGASLFSGCSG	5.3	0.8	4.4	0.5	5.2
F820-4-F6-IR	PLCDLEALFWGESLFGGCSG	5.7	9.0	3.0	0.2	4.9
F820-4-F1-IR	HLCVLEEMFWGTSHFDGCSG	9.1	1.0	4.7	0.2	4.7
F820-4-A3-IR	DLCVLEELFWGAPLFGLCSG	5.9	0.8	3.5	0.2	4.5
F820-4-D1-IR	DLCVLEELFWGVALYGGCSG	25.7	2.3	10.5	0.5	4.5
F820-4-F5-IR	QLCVLEELYWGASLFGHCSG	3.7	9.0	2.7	0.2	4.2
F820-4-F12-IR	HLCVLEDRFWGASLFGPCSG	11.3	9.0	2.2	0.3	3.5
F820-4-A11-IR	HLCGMEEMFWGVALFRNCSG	7.6	0.8	2.7	0.3	3.5
F820-4-E8-IR	PLCVLEQLYWGESLFVYCSG	8.0	1.2	4.3	0.3	3.5
F820-4-H3-IR	HLCLLEELFWGEALWGYCSG	17.5	5.6	0.6	0.3	3.4

		Ratios ove	Ratios over Background	pur	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	≅	IGFR/IR IR/IGFR	RIGFR
Parental/Design	HLCVLEELFWGASLFGYCSG	: ;	;	;	1	;
F820-4-A8-IR	QLCVMEELFWGASRFGQCSG	6.4	0.7	2.4	0.3	3.4
F820-4-G1-IR	HLCVLEELFWGASMFGQCSG	3.9	9.0	1.9	0.3	3.4
F820-4-F3-IR	QLCVLEEMFWGGSRFVQCSA	9.6	1.3	3.6	0.4	2.9
F820-4-D6-IR	PLCILEELFWGEALFDQCGA	5.4	1.2	3.2	0.4	2.6
F820-4-A1-IR	YLCVQEELFWGASLFGYCSV	25.5	2.4	6.1	0.4	2.5
F820-4-H2-IR	HLCALEEAFFGPSLFNSCQG	15.9	1.6	4.1	0.4	2.5
F820-4-F4-IR	HLCVLEERFWGASLFGQCSG	6.8	1.9	4.7	0.4	2.5
F820-4-B6-IR	QLCDLEELFWGASLFGYCPG	4.1	0.8	1.9	0.4	2.4
F820-4-B11-IR	HLCVLEERFWGASIWGSCSG	22.2	3.1	7.0	0.4	2.3
F820-4-H6-IR	QLCVLEELFWGGSLWGQCSR	4.1	1.1	2.4	0.5	2.2
F820-4-H9-IR	PLCVLEELFWGAAQFGQCSG	3.1	6.0	1.9	0.5	2.1
F820-4-D3-IR	QLCDLEERFWGVSLFGLCSG	4.6	1.3	2.5	0.5	1.9
F820-4-C1-IR	QLCVLEEVFWGASLFGLCTG	13.0	1.1	2.1	0.5	1.9
F820-4-D12-IR	QL.DLNTWSGLCLCSVTVRV	10.4	1.2	2.0	9.0	1.7
F820-4-B8-IR	DLCVLEESLWGKALFGYCSD	7.2	2.2	3.4	9.0	1.5
F820-4-C6-IR	HLCVLEEVFWGSSMFGDCSG	13.9	2.5	2.8	6.0	1.1
F820-4-C10-IR	HLCDLEELFWGASLFGDCQG	5.3	5.6	2.9	0.9	1.1
F820-4-D4-IR	QLCVLDALMWGGCRLGHQCG	3.5	2.3	2.1	1.1	6.0
F820-4-E1-IR	QLCVLEEKFWGTSLFGDCMG	1.6	1.6	1.5	1.1	6.0
F820-4-B3-IR	HLCVLEEVFWGAAQFGSCSG	15.9	9.0	5.0	1.2	0.8
F820-4-D2-IR	QLCVLEELFWGPSMFGYCSG	7.8	3.2	2.5	1.3	8.0
F820-4-C5-IR	HLCDLEELFWGASGFAQCYG	21.5	4.0	2.3	1.8	9.0

risons IR/IGFR	42.5	40.7	40.6	40.3		40.2	40.2	40.2 40.2 .39.8	40.2 40.2 39.8	40.2 40.2 39.8 39.3	40.2 40.2 39.8 39.3 37.7	40.2 40.2 39.8 38.6 37.7	40.2 40.2 39.8 38.6 37.7 36.5	40.2 40.2 39.8 39.3 36.7 7.7 36.5	40.2 39.8 39.8 37.7 36.7 36.5	40.2 39.8 39.8 37.7 36.7 36.2 35.1	40.2 40.2 39.8 39.8 36.7 7.7 36.5 36.5 36.5 36.5 36.5	40.2 39.8 39.8 39.8 36.7 7.7 36.2 36.2 36.3 37.3 38.3	40.2 39.8 39.8 38.3 36.7 36.5 36.5 37.3 38.3 37.7	40.2 39.2 39.3 39.3 30.2 30.2 30.2 30.2 30.2 30.2 30.2 30	400.2 3.90.2 3.90.3 3.0.2 5.0.3 5.0.3 7.0.3 8.1.3 8 8.1.3 8 8.1.3 8 8.1.3 8 8 8.1.3 8 8 8 8 8 8 8 8 8 8 8 8	40.2 39.3 39.8 39.8 36.7 36.7 36.5 37.7 31.3 31.3 31.7 31.3 31.7 31.7	40.2 39.3 39.3 39.3 36.7 7.7 36.1 37.3 37.3 30.3 30.3 30.3 30.3	40.2 39.9 39.9 39.9 30.2 30.3	40.2 39.9 39.9 39.3 30.2 30.2 31.2 31.2 31.2 31.2 32.2 33.2 34.3 36.5 37.7 30.6 30.6 30.6 30.6 30.6 30.7 30.6 30.7	20.2 30.3 30.3	20.2 30.3 30.3	200.2 30
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Ratios over Background E-Tag IGFsR II	9 1.0	6 1.(6 1.3	3 1.(9 1.3	7 1.3		9	0 -	0 1 1	0	0 1 1 1 1	0	0 1 1 1 1 1			6 4 4 4 4 4 4 4	6 4 4 4 4 4 4 4 4		6 4 4 4 4 4 4 4 4 4	6 4 4 4 4 4 4 4 4 4 4	6 4 4 4 4 4 4 4 4 4 4 4 4	6 4 4 4 4 4 4 4 4 4 4 4 4		6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
E-Tag	36.98	38.6	39.6	37.	42.9	26.		. 40																				* W T B L B L T V V V O A A A A V O W A A A
	ELFWGASLFGYCSG ERFWGASLFGOCSG	ELHWGASLFGYCSG	EQFWGASLFGQCSG	ERFWGASLFGOCSS	ERFWGSSQFGFCSG	FLEWGASOFGOOSG)	ERFWGASLFGQCSG	ERFWGASLFGQCSG ELFWGTSLFGQCTG	ERFWGASLFGGCSG ELFWGTSLFGQCTG ERFWGASLFGQCSG	ELFWGASLFGQCSG ELFWGTSLFGQCTG ERFWGASLFGQCSG ERFWGASLFSQCSG	ZEWGASLFGQCSG ZEWGTSLFGQCSG ZEWGASLFGQCSG ZEWGASLFSQCSG ZEWGASLFSQCSG	ERFWGASLFGQCSG ELFWGTSLFGQCSG ERFWGASLFGQCSG ERFWGASLFSQCSG ELFWGASLFSQCSG	TEWGASLFGQCSG TEWGASLFGQCSG TEWGASLFSQCSG TEWGASLFSQCSG TEWGASLFSQCSG TEWGASLFGQCSG	ERFWGASLFGQCSG ELFWGTSLFGQCSG ERFWGASLFGQCSG ERFWGASLFSQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG	ERFWGASLFGQCSG ELFWGASLFGQCSG ERFWGASLFGQCSG ERFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASFGQCSG ELFWGASFGQCSG ELFWGASFGQCSG	TEWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG LFWGASLFGQCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ERFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG	ERFWGASLFGQCSG ERFWGASLFGQCSG ERFWGASLFGQCSG ERFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG	TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLEGOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLESOCSG TEWGASLEGOCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFGQCSG ELFWGASLFGYCSG ELFWGASLFGYCSG ELFWGASLFGYCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFGGCSG ELFWGASLFGGCSG ELFWGASLFGGCSG ELFWGASLFGGCSG ELFWGASLFGGCSG	TEWGASLFGQCSG LFWGASLFGQCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFSQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG	ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFSQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG ELFWGASLFGQCSG	ELFWGASLFGQCSG ENFWGASLFGQCSG ENFWGASLFGQCSG
Sequence	DLCVLEER	OLCVLEEL	PLCVLEEQ	YLCDLEER	HLCLLEER	HLCVLEEL	מממ ואט וה	コレヘ1 レロロス	HLCVMEEL	HLCVLEER HLCVLEER	HLCVLEER HLCVLEER HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEEL	HLCVMEEL HLCVLEER HLCVLEER HLCVLEER OLCVLEEL	HLCVEER HLCVLEER HLCVLEER HLCVLEER HLCVLEEL HLCVLEEL	HLCVMEEL HLCVLEER HLCVLEEL QLCLLEEL QLCLLEEL	HLCVEEL HLCVLEER HLCVLEER QLCLLEEL HLCVLEER HLCVLEER	HLCVMEEL HLCVLEER HLCVLEER HLCVLEEL QLCLLEEL HLCVLEER HLCVLEER OLCVLEEL	ALCVMEEL HLCVLEER HLCVLEER HLCVLEEL HLCVLEER HLCVLEER HLCOLEER OLCLEER OLCLEER	HLCVLEER HLCVLEER HLCVLEEL OLCLLEEL HLCVLEEL OLCLLEEL HLCVLEEL HLCVLEEL HLCVLEEL HLCVLEEL HLCVLEEL HLCVLEEL HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEEL QLCLLEEL QLCVLEEL QLCVLEEL QLCVLEER HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEEL QLCLLEEL QLCLLEEL QLCVLEEL QLCVLEEL QLCVLEEL HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEER QLCLLEEL QLCLLEEL QLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER	HLCVLEER	HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER OLCLLEER HLCVLEER OLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEEL QLCLLEEL QLCVLEEL QLCVLEEL HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEER QLCLLEEL QLCLLEEL QLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER HLCVLEER	HLCVLEER HLCVLEER HLCVLEER HLCVLEER OLCLLEEL OLCLEER HLCVLEER
	.4 - I.R	77-IR	11-IR	31 - IR)5-IR	14 - IR	10	J3-1K)3-1K 31-IR	73-1K 31-IR 35-IR	73 - 1K 31 - IR 35 - IR 32 - IR	73 - 1K 31 - IR 35 - IR 32 - IR 312 - IR	73 - 1K 31 - IR 35 - IR 32 - IR 312 - IR	35 - IK 31 - IR 35 - IR 32 - IR 312 - IR 110 - IR	35 - I.K 31 - I.R 35 - I.R 32 - I.R 312 - I.R 38 - I.R 56 - I.R	13 - I.K 11 - I.R 15 - I.R 12 - I.R 110 - I.R 16 - I.R 17 - I.R	35 - IK 31 - IR 35 - IR 32 - IR 312 - IR 38 - IR 56 - IR 43 - IR	35 - IK 31 - IR 32 - IR 312 - IR 38 - IR 56 - IR 11 - IR 43 - IR	35 - 1K 31 - 1R 32 - 1R 32 - 1R 110 - 1R 36 - 1R 51 - 1R 53 - 1R	13 - 1K 11 - 1R 12 - 1R 110 - 1R 10 - 1R 10 - 1R 11 - 1R 13 - 1R 13 - 1R	25 - IK 35 - IR 32 - IR 32 - IR 36 - IR 56 - IR 51 - IR 53 - IR 55 - IR	13 - 1K 11 - 1R 12 - 1R 110 - 1R 110 - 1R 12 - 1R 13 - 1R 13 - 1R 15 - 1R 17 - 1R	13 - 1K 11 - 1R 12 - 1R 11 0 - 1R 13 - 1R 13 - 1R 13 - 1R 13 - 1R 14 - 1R 15 - 1R 16 - 1R 17 - 1R	23 - 1K 35 - 1R 32 - 1R 32 - 1R 38 - 1R 50 - 1R 51 - 1R 52 - 1R 53 - 1R 55 - 1R 56 - 1R	25 - IK 25 - IR 26 - IR 27 - IR 28 - IR 29 - IR 21 - IR 21 - IR 21 - IR 21 - IR 21 - IR 21 - IR	25 - IK 35 - IR 32 - IR 32 - IR 38 - IR 38 - IR 31 - IR 31 - IR 32 - IR 31 - IR 32 - IR 33 - IR 34 - IR 36 - IR 37 - IR 38 - IR 38 - IR 39 - IR 31 - IR 39 - IR 31 - IR 39 - IR 31 - IR 31 - IR 32 - IR 33 - IR 34 - IR 35 - IR 36 - IR 37 - IR 38 - IR 38 - IR 38 - IR 39 - IR 31 - IR 31 - IR 31 - IR 32 - IR 33 - IR 34 - IR 35 - IR 36 - IR 37 - IR 38 - IR 38 - IR 38 - IR 39 - IR 31 - IR 31 - IR 32 - IR 33 - IR 34 - IR 35 - IR 36 - IR 37 - IR 38	13 - 1 K 11 - 1 R 12 - 1 R 13 - 1 R 14 - 1 R 16 - 1 R 17 - 1 R 18 - 1 R 19 - 1 R 11 - 1 R 11 - 1 R 12 - 1 R 13 - 1 R 14 - 1 R 15 - 1 R 16 - 1 R 17 - 1 R 18 - 1 R 18 - 1 R 19 - 1	25 - IK 35 - IR 36 - IR 36 - IR 36 - IR 37 - IR 31 - IR 32 - IR 31 - IR 32 - IR 33 - IR 33 - IR 33 - IR 33 - IR 33 - IR
Clone	besign A6L-3-C4-IR	A6L-3-D7-IR	A6L-3-A1-IR	A6L-3-C1-IR	A6L-3-D5-IR	A6L-3-A	2 6 17 4	A61-3-U3-IK	A6L-3-D3-IK A6L-3-B1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR	A6L-3-D3-IK A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR	A6L-3-D3-IK A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-IR	A6L-3-D3-IK A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-IR B6C-4-H10-IR	A6L-3-B A6L-3-B A6L-3-B A6L-3-B B6H-4-C B6C-4-F	A6L-3-D3-IK A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6H-4-G8-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6H-4-G8-IR A6L-3-D6-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6H-4-G8-IR A6L-3-D6-IR B6C-4-F1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-II B6C-4-H10-II B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6C-4-H10-I B6C-4-F1-IR B6C-4-F1-IR B6C-4-H3-IR	A6L-3-U3-IR A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6H-4-G12-I] B6C-4-H10-I B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-G1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6H-4-E8-IR B6H-4-E8-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR B6H-4-G12-IR B6C-4-H10-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR B6H-4-G12-I B6C-4-H10-I B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR B6C-3-B2-IR B6C-4-H10-IR B6C-4-H10-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-G1-IR B6C-4-G1-IR B6C-4-G1-IR B6C-4-G1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B5-IR A6L-3-B2-IR B6C-4-H10-IR B6C-4-H10-IR B6C-4-F1-IR B6C-4-H3-IR B6C-4-G1-IR B6C-4-G1-IR B6C-4-G1-IR B6C-4-F1-IR B6C-4-F1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6C-4-F1-IR B6C-4-F1-IR B6C-4-G1-IR B6C-4-G1-IR B6C-4-G1-IR B6C-4-E9-IR B6C-4-F1-I B6C-4-F1-I B6C-4-F1-I B6C-4-F1-I B6C-4-F1-I	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B2-IR B6H-4-G12-II B6C-4-H10-II B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR	A6L-3-D3-IR A6L-3-B1-IR A6L-3-B2-IR B6H-4-G12-I B6C-4-H10-I B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-IR B6C-4-F1-I B6C-4-F1-IR

		Ratios ov	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	꼰	IGFR/IR	IR/IGFR	
Design	HLCVLEELFWGASLFGYCSG	:	;	;	!	;	
20C-3-B4-IR	NLCVLEELFWGESLFGQCSG	28.9	1.1	31.1	<0.1	28.0	
20C-3-C11-IR	HLCVLEEQFWGGSLFGYCSR	30.2	1.1	31.0	<0.1	27.7	
B6C-4-G2-IR	HLCFLEEVFWGAALFAQCSG	29.4	1.3	35.3	<0.1	27.5	
20C-3-B8-IR	HLCDLEVLFWGSALFGCCSG	28.5	1:1	31.2	<0.1	27.4	
20C-3-C10-IR	HLCVMEELFWGASLFGQCSG	32.1	1.2	33.6	<0.1	27.1	
20C-3-B6-IR	HLCVLEERFWGASLFWQCSG	29.7	1.2	31.9	<0.1	26.7	
A6L-3-A3-IR	HLCVLEEQYWGESLFGYCSG	14.4	1.1	28.3	<0.1	26.5	
A6L-3-B3-IR	PLCVLEEQFWGASLFAYCSS	38.7	1.7	43.4	<0.1	26.3	
20C-3-A5-IR	QLCVLEELFWGESLFAQCLG	22.9	1.1	27.6	<0.1	26.0	
20C-3-B11-IR	HLCVLEELFWGQSLFGHCSD	30.0	1.3	32.7	<0.1	25.8	
20C-3-B3-IR	HLCVLEELVWGASLFGFCSG	29.3	1.2	31.2	<0.1	25.7	
20C-3-C12-IR	LLCVLEEQFWGASLFGQCSG	29.6	1.3	31.8	<0.1	24.8	
20C-3-C3-IR	RLCVLEELFWGESLFGOCSG	30.1	1.2	30.1	<0.1	24.3	
20C-3-C2-IR	HLCVLEEMFWGASLFGNCSG	29.9	1.3	29.8	<0.1	23.8	
20C-3-A11-IR	ELCFLEELFWGASLFGQCSG	25.9	1.2	27.4	<0.1	23.0	
20C-3-A4-IR	HLCVLEELFWGASLYGQCSS	27.2	1.2	27.5	<0.1	22.9	
20C-3-A6-IR	HLCVLEELFWGASLFAQCPG	26.1	1.2	27.5	<0.1	22.8	
B6C-4-E4-IR	NLCVLEELFWGASEFGCCSG	34.5	1.7	39.1	<0.1	22.7	
20C-3-A9-IR	DLCVLEEQLWGASLFRYCSG	29.7	1.3	29.3	<0.1	22.7	
B6C-3-C5-IR	HLCVLEEQFWGVALFGNCSG	33.5	1.7	37.7	<0.1	22.5	
20C-3-B1-IR	HLCVLEVQIWGASLFGQCSG	30.2	1.2	26.7	<0.1	22.0	
20C-3-A10-IR	HLCVLEERFWGGALFGOCTA	29.0	1.3	28.5	<0.1	21.5	
20C-4-F1-IR	HLCDLEELFWGASLFGQCSG	29.1	1.4	29.5	<0.1	20.7	
20C-4-E1-IR	QLCVLEELFWGTSLFAGCSG	28.3	1.4	29.7	<0.1	20.6	
20C-3-B12-IR	QLCGLEELFWGASLFGYCSA	27.0	1.3	25.8	<0.1	20.2	
20C-3-A8-IR	HLCVLEELFWGASLFGQCSS	21.1	1.1	21.2	0.1	20.0	
20C-3-A7-IR	FLCVLEELYWGASQFGQCSG	21.9	1.3	23.0	0.1	18.3	
B6C-4-E10-IR	HLCVLEEQFWGASLFGYCSG	35.2	2.2	38.0	0.1	17.5	

Figure 4E (Con't)

		Katios ove	Katios over Background	nna	Comparisons	risons	
Clone	Sequence	E-Tag	IGFSR	꼼	IGFR/IR	IGFR/IR IR/IGFR	
Design	HLCVLEELFWGASLFGYCSG	:	;	;		:	
20C-3-A1-IR	RLCALEELFWGASLFGQCSG	21.0	1.1	17.6	0.1		
20C-3-C1-IR	HLCVLEELFWGAALFHQCSG	30.6	1.4	21.9	0.1	16.1	
A6L-3-D2-IR	RLCVLEEQFWGASLFGQCSG	7.0	1.1	14.9	0.1	14.1	
B6C-4-G12-IR	QLCVLEELFWGSSRLGYCSG	31.1	2.5	33.5	0.1	13.6	
B6H-4-F9-IR	DLCVLEELFWGASLFGQCSG	39.3	3.6	43.1	0.1	12.1	
B6C-4-E3-IR	QLCLLEEQFWGGSLFGQCSG	34.6	5.3	40.0	0.1	7.6	
20C-3-B10-IR	HLCVLEELFWGTSLFGQCSG	29.9	16.9	31.7	0.5	1.9	
20C-3-A3-IR	RLCVLEELVWGASLFDQCSR	28.4	19.1	25.3	0.8	1.3	

		Ratios ove	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFsR	_ ≅	IGFR/IR IR/IGFR	RIGFR
Parental/Design	HLCVLEELFWGASLFGYCSG	39.1	1.8	27.7	0.1	15.4
F815-4-D10-IGFR	PLOALCEKFFGAWMFGYCSG	31.2	13.9	1.0	13.9	0.1
F815-4-H11-IGFR	HLOVLCELFGGVYLFGYCSG	27.2	19.2	1.7	11.3	0.1
F815-4-C8-IGFR	PLFDLCELFGGASLSGYCYG	35.4	17.4	1.6	10.9	0.1
F815-4-E8-IGFR	HL*ALCELFGGVWSFGYCVG	29.5	16.9	1.7	6.6	0.1
F815-4-E11-IGFR	QLGVLCEMFGGAFRLGYCQG	36.6	25.7	2.7	9.5	0.1
F815-4-A7-IGFR	HLODLCELFGGAYLFGYCSG	29.6	16.0	3.8	4.2	0.2
F815-3-D3-IGFR	QLQVLCELFGGAVSLRLLLW	33.7	3.5	1.0	3.5	0.3
F815-4-F7-IGFR	PLGVLCEQFGGAFRFGYCSG	33.6	18.9	9.9	1.9	0.5
F815-4-A9-IGFR	PL*GLCELFGGASLFGYCSS	7.5	1.7	2.3	0.7	1.4
F815-4-B12-IGFR	DLRVLCELFGGAYVLGYCSE	35.1	3.7	12.6	0.3	3.4

		Ratios ov	Ratios over Background		Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	꼼	IGFR/IR I	RIGFR
Design	XXXXXXXXXXXXXXXX	;	;	;		:
R20a-3-20A4-IR	EIEAEWGRVRCLVYGRCVGG	50.2	1.6	23.1	50.2 1.6 23.1 0.1 14.4	14.4
R20 3-4-A7-IR	EIEAEWGRVRCLVYGRCVGG	44.2	1.3	24.0	44.2 1.3 24.0 0.1 18.5	18.5
R20 3-4-D8-IR	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	44.8 1.4 24.2 0.1 17.3	17.3

		Ratios ove	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	띰	IGFR/IR	IR/IGFR	
Parental/Design	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	<0.1	17.3	
D815-4-A8-IR	WLDLEWAQVQCEVYGRGCPS	48.0	1.0	48.4	<0.1	48.4	
D815-4-D10-IR	WLDQEWAQVQCEVFGRGCPS	49.2	1.0	48.2	<0.1	48.2	
D815-4-D9-IR	WLDQEWQQVQCQVYGRGCTS	47.5	1.0	48.0	<0.1	48.0	
D815-4-A11-IR	RLDEEWARVQCEVWGRGCRS	47.9	1.0	48.0	<0.1	48.0	
D815-4-E12-IR	WLEQEWAWIQCEVYGRGCPS	49.0	1.0	47.6	<0.1	47.6	
D815-4-B7-IR	WLEQEWAQVQCEVYGRGCPS	45.4	1.0	47.2	<0.1	47.2	
D815-4-D11-IR	WLDEEWEWIQCKVYGRGCPA	49.5	1.0	47.0	<0.1	47.0	
D815-4-D12-IR	WLEQEWAWVQCEVYGRGCQS	48.1	1.0	46.6	<0.1	46.6	
D815-4-F8-IR	WLDQEWAWIQCEVYGRGCPA	47.8	1.0	46.4	<0.1	46.4	
D815-4-A9-IR	SLDWEWAWLQCEVYGRGCPS	47.7	1.0	45.8	<0.1	45.8	
D815-4-E9-IR	WLEQEWEQVRCLVYGRGCPP	47.8	1.0	45.8	<0.1	45.8	
D815-4-B10-IR	WLDQEWAWVQCEVYGRGCPY	49.0	1.0	45.6	<0.1	45.6	
D815-4-H8-IR	WLDQEWAGVLCEVYGRGCPS	49.0	1.0	45.6	<0.1	45.6	
D815-4-E10-IR	SLDKEWEWVLCVVYGRGCPS	47.0	1.0	45.6	<0.1	45.6	
D815-4-D7-IR	WLEQEWAQVQCEVYGRGCRS	44.5	1.0	45.4	<0.1	45.4	
D815-4-G9-IR	WLEEEWAQVQCAVYGRGCSS	44.2	1.0	44.2	<0.1	44.2	
D815-4-G12-IR	WLDQEWALVQCEVYGRGCPS	44.3	1.0	43.7	<0.1	43.7	
D815-4-E11-IR	WLDQEWAWVQCEVYGRGCPS	45.5	1.0	43.0	<0.1	43.0	
D815-4-H7-IR	WLEQEWAWVQCEVYGRGCAS	46.2	1.0	43.0	<0.1	43.0	
D815-4-F12-IR	WLDQEWAWVECEVYGRRCPS	47.2	1.0	42.6	<0.1	42.6	
D815-4-E8-IR	WLDQEWAWVECQVYGRGCPS	47.9	1.0	42.6	<0.1	42.6	
D815-4-F9-IR	QLDQEWAWVLCKVYGRGCPS	46.4	1.0	41.8	<0.1	41.8	
D815-4-A10-IR	WLDHE*AWVQCEVYGRGCPS	47.3	1.0	41.2	<0.1	41.2	
D815-4-C7-IR	QLEQEWAWVRCEVYGRGCSS	37.7	1.0	40.0	<0.1	40.0	
D815-4-H10-IR	WLDQEWAWVQCQVYGRGCLS	47.0	1.0	39.8	<0.1	39.8	
5-4	WLDQEWAWVRCEVYGLGCPS	44.2	1.0	39.8	<0.1	39.8	
D815-4-F11-IR	WLDQEWAVMKCELYGRGCPS	40.4	1.0	39.2	<0.1	39.2	
D815-4-H12-IR	WLEQEWAWVQCEVYGRGCLS	45.4	1.0	38.6	<0.1	38.6	
D815-4-A7-IR	SLDQEWAWVQCEVYGRGCLS	37.3	1.0	37.3	<0.1	37.3	
D815-4-H11-IR	WLDHEWAWVQCEVYGRGCTS	2.4	1.0	37.2	<0.1	37.2	
D815-4-F7-IR	WLDVEWAWVQCEVYGRGCPS	32.4	1.0	34.7	<0.1	34.7	

		Ratios ov	er Backgro	pun	Compar	sons	
Clone	Sequence	E-Tag	IGFSR	꼼	IGFR/IR II	VIGFR	
Parental/Design	WLDQEWAWVQCEVYGRGCPS	;	:	!			_
D815-4-G8-IR	OLDQEWARVRCEVWGRGCSS	27.8	1.0	33.6	<0.1	33.6	
D815-4-G7-IR	WLDLEWAQVQCKVYGRGCPS	34.7	1.0	32.3			
D815-4-G11-IR	WLDEEWAWVQCQVYGRGCPS	30.7	1.0	28.6			
D815-4-E7-IR	WLDQEWAWVQCEVWGRGCAF	33.0	1.0	26.4		26.4	
D815-4-A12-IR	WLDREWAQVQCEVYGRGCLS	28.4	1.0	19.0			
D815-4-B11-IR	WLDAEWEWVQCEVYGRGCRP	22.1	1.0	18.8	0.1		
D815-4-D8-IR	SLDREWAYVQCQVYGRGCSS	20.8	1.0	14.6	0.1		

Clonc Parental/Design D820-3-H2-IR						
/Design 2-IR	Sequence	E-Tag	IGFsR	꼼	IGFR/IR IR/IGFR	RIGFR
2-IR	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	0.1	17.2
Δt.	RLDLEWANIQCEVYGRGCPS	23.9	1.0	40.0	<0.1	40.0
117	WLEQEWARVQCEVYGRGCSS	31.0	1.0	39.5	<0.1	39.5
-C3-IR	WLEQEWILVECEVYGRGCPT	35.2	1.0	39.4	<0.1	39.4
-G6-IR	WLEQEWAQVQCEVWGRGCPS	33.8	1.0	38.8	<0.1	38.8
-D2-IR	WLDQEWEWIQCEVYGRGCPL	35.6	1.0	37.8	<0.1	37.8
-D3-IR	LLDEEWAQIECEIYGRGCPS	34.8	1.0	37.7	<0.1	37.7
-B5-IR	ALEEEWAWVQCEVYGRGCHF	34.1	1.0	37.1	<0.1	37.1
-E2-IR	C?EQEWGLVQCEVYGRGCPS	34.4	1.0	37.0	<0.1	37.0
-B3-IR	WLEQEWAYVQCEVYGRGCPS	33.6	1.0	36.7	<0.1	36.7
-B6-IR	WLEHEWAQVQCEVWGRGCPY	31.2	1.0	36.6	<0.1	36.6
-D4-IR	WLEQEWAEVRCEVYGRGCPR	32.0	1.0	36.2	<0.1	36.2
-C2-IR	? LEQEWAWVQCEVYGRGCPS	33.7	1.0	35.6	<0.1	35.6
-F6-IR	WLEQEWAGIQCKVYGRGCPS	30.8	1.0	35.2	<0.1	35.2
-D5-IR	RLEQEWAQVQCEVWGRGCLP	30.5	1.0	34.8	<0.1	34.8
-F5-IR	QLDHEWAGIQCEVWGRGCPS	29.8	1.0	34.6	<0.1	34.6
-H3-IR	WLEQEWAQIQCEVYGAGCRS	30.2	1.0	33.8	<0.1	33.8
-G2-IR	SLEQEWAWVQCVVYGRGCPI	31.3	1.0	33.0	<0.1	33.0
-3-H6-IR	WLEQEWDQVLCEVYGRGCPY	30.3	1.0	32.2	<0.1	32.2
-3-F3-IR	WLEQEWAQV?CEVYGRGCA?	28.6	1.0	30.7	<0.1	30.7
-3-B4-IR	WMDQEWAWVQCEVYGRGCPS	33.1	1.0	30.5	<0.1	30.5
-3-C5-IR	QLDQEWAWIQCEVYGRNCRT	29.1	1.0	30.3	<0.1	30.3
-3-F4-IR	TLEQEWAQVICEVYGRGCLS	25.9	1.0	29.5	<0.1	29.5
-3-H5-IR	RLEQEWAQVQCEVWGRGCLS	26.3	1.0	28.6	<0.1	28.6
-3-A6-IR	WLDQEWALVQCEVYGRGCPA	24.8	1.0	26.0	<0.1	26.0
D820-3-A2-IR	WLDQEWAQIQCHVWGRGCPA	23.7	1.0	25.6	<0.1	25.6
0-3-G5-IR	WLEQEWAWVQCEVYGRGCPS	22.6	1.0	25.0	<0.1	25.0
D820-3-G3-IR	RLEEEWAWVQCQVYGRGCPS	22.2	1.0	23.9	<0.1	23.9
-3-E3-IR	WLEQEWVRIQCEVYGRGCPS	20.6	1.0	22.7	<0.1	22.7

		Katios ov	Katios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFSR	×	IGFR/IR IR/IGFR	IR/IGFR	
Parental/Design	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	0.1	17.2	
D820-3-E5-IR	WLEQEWTWVQCEVYGCGCPS	25.9	1.0	22.6	<0.1	22.6	
D820-3-D1-IR	WLEKEWAGVQCEIYGRGCPS	27.3	1.0	22.4	<0.1	22.4	
D820-3-E1-IR	WLEEEWAWVRCEVYGRGCOS	22.4	1.0	21.9	<0.1	21.9	
D820-3-F1-IR	WLEHEWAQIQCELYGRGCTY	22.0	1.0	21.0	<0.1	21.0	
D820-3-B2-IR	ALEEEWAWVQCEVYGRGCPS	13.1	1.0	18.4	0.1	18.4	
D820-3-A3-IR	WLEQEWAQVQCEVYGRGCPS	23.5	1.0	18.4	0.1	18.4	
D820-3-H4-IR	WLDDEWAQIQCEIYGRGCQS	25.6	1.0	17.5	0.1	17.5	
D820-3-G1-IR	QLEEEWAGVQCEVYGRECPS	14.5	1.0	16.3	0.1	16.3	
D820-3-C1-IR	WLEQEWLLVQCGVYGRGCPS	27.8	1.0	13.9	0.1	13.9	
D820-3-A1-IR	WLDQEWAWIQCEVYGRGCRS	14.7	1.0	12.8	0.1	12.8	
D820-3-A5-IR	WLEQEWAQVQCEVSGRGCPS	6.4	1.0	6.3	0.2	6.3	
D820-3-H1-IR	W?DQEWALIQCEVYGRGCPS	13.7	1.0	6.2	0.2	6.2	
D820-3-A4-IR	SLDEEWAGVLCEVYGRGCPF	6.0	1.0	4.3	0.2	4.3	
D820-4-E12-IR	SVDQELEWLMCHFQGRVCPS	34.9	9.0	10.9	0.8	1.2	
D820-4-B12-IR	WLEQERAWIWCEIQGSGCRA	32.2	9.8	1.0	8.6	0.1	

		Ratios ove	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	IGFsR	K K		IR/IGFR
Parental/Design	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	0.1	17.3
D820-3-D5-IGFR	WVNQALGGVQSDVQGRRCQS	29.6	3.8	1.0	3.8	0.3
D820-3-E4-IGFR	LLDHEWPWVGCEVCGRGSLS	27.1	3.2	1.0	3.2	0.3
D820-3-C5-IGFR	WLHQELAWVRGEGYPRGRRS	25.0	3.1	1.0	3.1	0.3
D820-3-F4-IGFR	WLGHDWAWIQCEVYGLGCPC	3.9	2.7	1.0	2.7	0.4
D820-3-F6-IGFR	WIDQEGVRVQCEA*GRAFPS	26.7	5.6	1.0	5.6	0.4
D820-3-G4-IGFR	WRDEEWAWVQGVVQGRGWPA	3.8	5.6	1.0	5.6	0.4
D820-3-E2-IGFR	RLGVEWSWFQRKVYGRDSTS	15.3	5.6	1.0	5.6	0.4
D820-3-G6-IGFR	WLAQGWAGVQCVVYGRGCRN	20.3	2.4	1.0	2.4	0.4
D820-4-E11-IGFR	WLEEE*AGIQCQV?GRGCPS	12.6	1.0	3.0	0.3	3.0
D820-4-H11-IGFR	WLDQEWEWVQCEVWGRGCLS	8.1	1.0	4.6	0.2	4.6
D820-4-D11-IGFR	RLEGEWALIQCEVYGRGCPS	4.5	1.0	5.3	0.5	5.3
D820-4-A8-IGFR	WLEEEWAQVQCQVYGRGCAS	3.2	1.0	5.5	0.2	5.5
D820-4-F9-IGFR	WLDLE*EWLQCEVYGRGCAT	9.4	1.0	5.8	0.2	5.8
D820-4-C8-IGFR	WLEQEWVQVRCEVYGRGCPS	11.6	1.0	5.9	0.2	5.9
D820-4-D9-IGFR	WLEEEWAQVQCEVYGRGCPS	10.1	1.0	8.9	0.1	8.9
D820-4-D7-IGFR	WLDQEWARVQCEVWGRGCTY	34.1	3.5	33.4	0.1	9.5
D820-4-H9-IGFR	YLD?EWAWVQCEVYGLGCQS	18.4	1.0	10.1	0.1	10.1
D820-4-E10-IGFR	WLDVE*AWVQCEVWGRGCPS	26.7	5.6	27.0	0.1	10.4
D820-4-E7-IGFR	WLEQEWER?QCEVYGRGCPP	31.9	3.0	32.2	0.1	10.7
D820-4-H8-IGFR	WLEEEWAQVQCEVYGRGCLS	16.1	1.0	11.7	0.1	11.7
D820-4-A11-IGFR	WLDQEWAWIQCEVYGRGCPS	8.0	1.0	12.5	0.1	12.5
D820-4-C9-IGFR	?LEHEWAQIQCEV?GRGCQS	19.6	1.0	14.9	0.1	14.9
D820-4-E9-IGFR	WL?QEWAWIQCEVYGRGCPF	19.3	1.0	17.3	0.1	17.3
D820-4-B10-IGFR	WLD? EWAWVQCEVYGRGCPS	19.3	1.0	21.5	<0.1	21.5
D820-4-F10-IGFR	GLEQGCPWVGLEVQCRGCPS	27.8	1.0	25.7	<0.1	25.7
D820-4-B9-IGFR	WLEEEWAWVQCEVYGHGCPS	31.7	1.0	26.5	<0.1	26.5
D820-4-G8-IGFR	WLDQEWAQIQCEVYGRGCSS	25.6	1.0	29.3	<0.1	29.3

		Ratios over	Ratios over Background	pun	Comparisons	isons
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR 1	IR/IGFR
Parental/Design	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	0.1	17.3
D820-4-G9-IGFR	WLDQEWAQVQCEVWGRGCPS	36.8	1.0	29.6	<0.1	29.6
D820-4-C10-IGFR	WLDLEWEFVQCEVYGRGCPT	32.6	1.0	31.3	<0.1	31.3
D820-4-A9-IGFR	WLEQEWASVQCEVYGRGCPS	20.4	1.0	31.4	<0.1	31.4
D820-4-B8-IGFR	WLDLEWEQIKCKVYGRGCPF	31.1	1.0	32.7	<0.1	32.7
D820-4-F8-IGFR	WLEQEWAQIQCQIYGRGCPS	28.3	1.0	32.9	<0.1	32.9
D820-4-H7-IGFR	WLEQEWALVLCEVYGHGCPA	34.1	1.0	32.9	<0.1	32.9
D820-4-E8-IGFR	WLEQEWAQIQCEVWGRGCSS	26.6	1.0	33.2	<0.1	33.2
D820-4-G10-IGFR	WLE? EWEWVQCEVYGRGC? S	37.5	1.0	33.2	<0.1	33.2
D820-4-D10-IGFR	WLEQEWAQVQCDVYGRGCPS	36.6	1.0	33.5	<0.1	33.5
D820-4-D8-IGFR	WLEQE * ARVQCEVWGRGCPS	23.7	1.0	34.6	<0.1	34.6
D820-4-A10-IGFR	WL?QEWARVHCEVWGRP?QC	29.4	1.0	35.5	<0.1	35.5
D820-4-B7-IGFR	PLEHEWAWVQCVVYGRGCRS	35.4	1.0	36.9	<0.1	36.9
D820-4-E12-IGFR	SLE?EWAWVQCEV?GRGCP?	37.0	1.0	37.0	<0.1	37.0
D820-4-H10-IGFR	WLDQEWVRVQCEVWGRGCPS	36.8	1.0	37.1	<0.1	37.1
D820-4-F12-IGFR	SLDKEWAWVKCEVYGRGCPS	36.9	1.0	37.3	<0.1	37.3
D820-4-F7-IGFR	LGDQEWAWVEWEV#GRGWPS	34.4	1.0	37.5	<0.1	37.5
D820-4-G12-IGFR	WLEEEWAQIRCGVYGRGCPS	30.3	1.0	37.8	<0.1	37.8
D820-4-D12-IGFR	WLEEE*GWVQCEVWGRGCPP	37.2	1.0	38.6	<0.1	38.6
D820-4-A12-IGFR	CLDQEWA?VQCPVYGRGCPS	30.4	1.0	39.3	<0.1	39.3
D820-4-C12-IGFR	QLELEWARVQCEVWDRGCPS	37.1	1.0	39.6	<0.1	39.6
D820-4-A7-IGFR	RLEQEWAWIQCEVYGRGCRF	35.4	1.0	40.8	<0.1	40.8
D820-4-B12-IGFR	SLEHE*AWVQCKVYGRGC?S	36.2	1.0	41.4	<0.1	41.4

		Ratios ov	Ratios over Background	pun		sons
Clone	Sequence IR/IGFR	E-Tag IGFsR IR	IGFSR	=	IGFR/IR	
Parental/Design	WLDQEWAWVQCEVYGRGCPS	44.8	1.4	24.2	44.8 1.4 24.2 <0.1 17.3	17.3
B6-4-G12-IR	WLDQEWAWIQCEVYGRGCPP	4.4	1.0	6.9	0.1	7.1
B6-3-A11-IR	WLDQEWAQVRCEVYGRGCPS	7.3	1.0	6.3	0.2	6.3

	Sequence	HIR affinity mol/I
J228	HPPLEHLKAFLL-NH2	2.4*10-5
J229	APTFYAWFNQQT-NH₂	2.4*10 ⁻⁶
S122	HPTSKEIYAKLLK	9.3*10-6
S123	HPSTNQMLMKLFK	1.6*10 ⁻⁵
S124	HPPLSELKLFLIKK	2.3*10-5

Figure 7

J-nr	Sequence	HIR affinity mol/I
J101	ACVWPTYWNCG	5.0*10 ⁻⁶
J103	Ac-CVWPTYWNCG	3.0*10 ⁻⁵
J104	Bz-CVWPTYWNCG	3.2*10 ⁻⁵
J105	Ac-ACVWPTYWNCG	4.5*10-5
J109	ACVWPTYWACG	2.0*10 ⁻⁵
J110	ACVWPTYANCG	2.4*10-5
J111	ACVWPTAWNCG	3.1*10 ⁻⁵
J112	ACVWPAYWNCG	3.3*10 ⁻⁵
J113	ACVWATYWNCG	5.5*10 ⁻⁵
J115	ACAWPTYWNCG	2.7*10 ⁻⁶
J116	AAVWPTYWNAG	3.4*10 ⁻⁵
J117	ASVWPTYWNSG	2.9*10 ⁻⁵
J118	ACPYNWVTWCG	2.9*10 ⁻⁵
J119	ACVWPTYWnCG	3.2*10 ⁻⁵
J120	ACVWPTYwNCG	3.4*10 ⁻⁵
J121	ACVWPTyWNCG	1.8*10 ⁻⁵
J122	ACVWPtYWNCG	5.1*10 ⁻⁵
J123	ACVWpTYWNCG	2.5*10 ⁻⁵
J124	ACVWPTYWNCG	2.0*10 ⁻⁵
J125	ACvWPTYWNCG	1.8*10 ⁻⁵
J127	acvwptywncg	4.4*10-5
J128	gcnwytpwvca	5.3*10 ⁻⁵
J130	AEVWPTYWN(Dpr)G	1.9*10 ⁻⁵
J131	ACDWPTYWNCG	5.5*10 ⁻⁵
J132	AC(Leu)WPTYWNCG	4.5*10 ⁻⁶
J133	AC(dLeu)WPTYWNCG	2.8*10 ⁻⁵
J134	AC(IIe)WPTYWNCG	7.4*10 ⁻⁶
J135	AC(dlle)WPTYWNCG	2.9*10 ⁻⁵
J136	AC(Met)WPTYWNCG	7.5*10 ⁻⁶

FIGURE 8

J137	AC(dMet)WPTYWNCG	2.5*10-5
J138	AC(Abu)WPTYWNCG	7.8*10 ⁻⁵
J139	AC(dAbu)WPTYWNCG	2.1*10-5
J140	AC(Nva)WPTYWNCG	3.6*10 ⁻⁶
J141	AC(dNva)WPTYWNCG	3.0*10 ⁻⁵
J142	AC(tBuG)WPTYWNCG	3.2°10 ⁻⁵
J143	AC(dtBuG)WPTYWNCG	3.8°10 ⁻⁵
J144	AC(Phe)WPTYWNCG	5.1*10 ⁻⁶
J145	AC(dPhe)WPTYWNCG	5.7*10 ⁻⁵
J146	AC(Cha)WPTYWNCG	2.2*10-5
J147	AC(dCha)WPTYWNCG	1.7*10-5
J148	AC(Nal(1))WPTYWNCG	5.8*10 ⁻⁶
J149	AC(dNal(1))WPTYWNCG	2.0*10-5
J150	AC(Acy)WPTYWNCG	2.0*10-5
J151	ACVWPT(Hyp)WNCG	2.2*10-4
J154	ACVWPT(Nal2)WNCG	8.2*10-5
J155	ACVWPT(MetO ₂)WNCG	1.9*10-4
J157	ACVWPT(Cha)WNCG	1.2*10-4
J160	ACVWPT(Ser)WNCG	1.8*10-4
J162	ACVWPT(Thi)WNCG	2.5*10-4
J163	ACVWPT(dSer)WNCG	5.0*10-5
J166	ACVWPT(dCha)WNCG	7.5*10-5
J170	ACVWPT(dPhe)WNCG	1.4*10-4
J171	ACVWPT(Thr)WNCG	7.7*10-4
J174	ACVWPT(Phe)WNCG	4.5*10 ⁻⁵
J176	ACVWPT(dThr)WNCG	2.8*10-5
J180	ACVWPTYW D CG	5.6*10 ⁻⁵
J182	ACVWPT D WNCG	2.7*10 ⁻⁵
J183	ACVWP D YWNCG	3.3*10 ⁻⁵
J184	ACVW D TYWNCG	6.2*10 ⁻⁵
	* · · · · · · · · · · · · · · · · · · ·	

Figure 8 (Con't)

J185	ACV D PTYWNCG	3.4*10 ⁻⁵
J186	AC D WPTYWNCG	3.5*10 ⁻⁵
J187	ACVWTYWNPCG	4.3*10 ⁻⁵
J188	ACVWTYWPNCG	3.0*10-5
J189	ACVWTYPWNCG	3.1*10 ⁻⁵
J190	ACVWTPYWNCG	2.6*10 ⁻⁵
J191	ACVPWTYWNCG	3.0*10 ⁻⁵
J192	ACPVWTYWNCG	4.2*10 ⁻⁵
J193	ACWPTYWNVCG	4.8*10 ⁻⁵
J194	ACPTYWNVWCG	4.2*10 ⁻⁵
J195	ACTYWNVWPCG	3.3*10 ⁻⁵
J196	ACYWNVWPTCG	2.4*10 ⁻⁵
J197	ACWNVWPTYCG	2.9*10 ⁻⁵
J198	ACNVWPTYWCG	4.2*10 ⁻⁵ -
J199	ACVWPCG	4.7*10 ⁻⁵
J200	CVWPTYWNCG	5.5*10 ⁻⁵
J201	ACWWPTYWNCG	6.8*10 ⁻⁶
J202	ACEWPTYWNCG	4.6*10 ⁻⁶
J203	ACRWPTYWNCG	5.8*10 ⁻⁶
J204	ACQWPTYWNCG	9.2*10 ⁻⁶
J205	ACGWPTYWNCG	4.4*10 ⁻⁶
J207	cyclo-Valeroyl-AWPTYWNCG	5.5*10 ⁻⁵
J208	cyclo-Toluyl- AWPTYWNCG	7.6*10 ⁻⁵
J209	cyclo-Acetyl- AWPTYWNCG	7.7*10 ⁻⁵
J210	(WPTYWNCG) ₂	5.3*10 ⁻⁵
J211	(AWPTYWNCG) ₂	7.9*10 ⁻⁶
J212	ACA(Bpa)PTYWNCGK(biotin	1.8*10 ⁻⁵
J213	ACAWPTY(Bpa)NCGK(biotin	1.8*10 ⁻⁵
J214	GCAWPTYWNCG	1.4*10 ⁻⁶
J215	NCAWPTYWNCG	9.0*10 ⁻⁶
		

Figure 8 (Con't)

J216	VCAWPTYWNCG	2.8*10-6
J227	SFYEAIHQLLGV-NH2	6.4*10-6
J228	HPPLEHLKAFLL-NH2	2.4*10-5
J229	APTFYAWFNQQT-NH ₂	2.4*10 ⁻⁶
S122	HPTSKEIYAKLLK	9.3*10-6
S123	HPSTNQMLMKLFK	1.6*10-5
S124	HPPLSELKLFLIKK	2.3*10-5

Figure 8 (Con't)

		Ratios ove	Ratios over Background	pun	Comparisons	ricone	
Clone	Sequence	E-Tag	IGFsR	<u></u> ≅	IGFR/IR IR/IGFR	IR/IGFR	
H5 Parental	LCQSLGVTYPGWLAGWCA	:	1.2	;	;	;	
H5-3-JBA5-IGFR	LCQSWGVRIGWLAGLCP	31.9	16.3	;	:	;	
H5-3-E1A11-IGFR	VCQSLGITDLGLCAGWGA	21.3	8.0	;	;	;	
H5-3-E4B10-IGFR	LCQSLGLTHPGFEAWLCA	29.7	7.8	;	;	8	
H5-3-E4C10-IGFR	LCQNFGVTDPGCFYGWFA	24.3	6.1	;	!	;	
H5-3-JBB6-IGFR	PCQRLGDTHLCWLAGWFA	40.2	5.4	:	;	;	
H5-3-E4A9-IGFR	LCQSSGLSFLGCLGWWA	27.7	4.3	;	:	;	
H5-3-E2A12-IGFR	LCOSLGFTDLDWLACWFE	27.2	4.2	;	;	;	
H5-3-E4A12-IGFR	VCQGLGVECPGWFAGWWA	27.9	3.9	:	;	:	
H5-3-E1F9-IGFR	PCOSLGLTCSGWFEGWGA	18.6	3.5	:	;	;	
H5-3-E4F11-IGFR	LCOGWGIRIGWLVGRCM	28.4	3.3	!	!	;	
H5-3-E4A11-IGFR	LWQSVGIKYPGGLAGWLA	31.0	3.0	1	;	!	
H5-3-E4G7-IGFR	QWQSLGVTCPGSWAELCA	26.2	2.2	:	:	1	
H5-3-E1B9-IGFR	LCOSLGVTYWEGLAWLCA	20.0	2.1	;	:	;	

		Ratios ove	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	R	IGFR/IR IR/IGFR	R/IGFR
JBA5 Parental	LCOSWGVRIGWLAGLCP	31.5	20.6	1.0	20.6	<0.1
JBA5-4-2C12-IGFR	LCQSWGVRIGWLAGLCP	46.8	41.5	1.0	41.5	<0.1
JBA5-2-1F9-IGFR	LCESWGVRIGWLAGLCP	48.1	39.5	1.0	39.5	<0.1
JBA5-2-1E10-IGFR	LCQSWGVRIGWLVGLCP	42.5	39.5	1.1	35.9	<0.1
JBA5-4-2A11-IGFR	LCQGWGVRIGWLAGLCP	44.1	40.2	1.2	33.5	<0.1
JBA5-3-2A3-IGFR	LCOSWGVRIGWLVGLCP	34.7	33.3	1.0	33.3	<0.1
JBA5-4-2A9-IGFR	LCQSWGVRIGWLTGLCP	34.6	33.1	1.0	33.1	<0.1
JBA5-1-1B6-IGFR	MCQSWDVRIGRLGGQCP	39.6	31.4	1.0	31.4	<0.1
JBA5-4-2B9-IGFR	LCQGWDVRIGQLAGLCP	39.6	22.3	1.0	22.3	<0.1
JBA5-1-1H7-IGFR	LCQGWGVRIGWLAGLCP	24.9	22.6	1.2	18.8	0.1
JBA5-3-2C3-IGFR	LCQSWDVRIGWVAGLCP	35.5	15.3	1.1	13.9	0.1
JBA5-1-1G7-IGFR	LCOSWDARIGWLAGLCP	26.2	14.8	1.5	6.6	0.1
JBA5-2-1E9-IGFR	LCLG*DVRIGLLAGLCP	39.4	4.5	1.0	4.5	0.2
JBA5-2-1D12-IGFR	L*KSWDVRSGLMAGLCP	42.2	2.2	1.0	2.2	0.5

		Ratios ove	er Backgro	pun	Compar	isons	
Clone	Sequence	E-Tag	E-Tag IGFsR IR IGFR/IR IR/IG	×	IGFR/IR IR/IGFR	IR/IGFR	
Design	LCOSWGVRIGWLAGLCP		;	ı	ł	1	
JBA5-4-G12-IR	LCQSWDACIQWLVGLSP	37.5	3.0	1.4	2.1	0.5	
JBA5-4-G3-IR	LCRSWEECIGWLVGPQP	4.5	2.5	1.1	2.3	0.4	
JBA5-4-G1-IR	LCQSWGECIDRLVGQGA	32.0	3.2	1.3	2.5	0.4	
JBA5-3-B1-IR	LCQGWGVRIGWLAGLCP	29.4	6.8	1.2	5.7	0.2	
JBA5-3-C1-IR	LCOGWAVHIGOLAGLCP	36.3	7.5	1.1	6.8	0.1	
JBA5-3-A6-IR	LCQGWGVHIGRLAGLCP	28.0	7.4	0.7	10.6	0.1	
JBA5-3-A2-IR	LCOSWGVRIGWLAGLCP	10.2	4.8	0.4	12.0.		
JBA5-3-B7-IR	LCQSWGVHIGRLAGLCP	39.5	15.2	1.2	12.7	0.1	

		Ratios ov	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	IGFsR	IR	IGFR/IR IR/IGFR	IR/IGFR	
Design	XXXXXXXXXXXXXXXXX	1	1	1	:	1	
20F-4-B7-IGFR	TPIPAGGINIASWGGYTWLS	10.9	3.7	0.5	7.3	0.1	
20F-4-E4-IGFR	HRGTVTGVWVARWPGYEWLS	8.9	4.7	0.7	6.3	0.2	
20F-4-E12-IGFR	SDVWAQPQRRNDWPGYHWLS	7.6	4.7	0.8	6.0	0.2	
20F-4-F4-IGFR	HRGTVTGVWVARWPGYEWLS	13.9	10.1	1.8	5.6	0.2	
20F-4-F7-IGFR	SDVWAQPQRRNDWPGYHWLS	13.7	3.9	0.8	5.1	0.2	
20F-4-E7-IGFR	RPHRINPQDDAVWPGYLWLG	7.2	2.5	0.5	4.7	0.2	
20F-4-F11-IGFR	HRGTVTGVWVARWPGYEWLS	17.6	16.2	3.5	4.6	0.2	
20F-4-D10-IGFR	FGRGYGGDGGGYWSGYEWLA	8.6	2.4	9.0	4.1	0.2	
20F-4-B3-IGFR	DGLVVKSGREWPGYGWLER.A	17.3	14.4	3.6	4.0	0.2	
20F-4-B12-IGFR	DGSIV.VSSSVGWPGYEWLM	10.1	6.6	2.4	4.0	0.2	
20F-3-A9-IGFR	WQQANLSNGGGRWGGYDWLM	9.9	2.7	0.7	4.0	0.2	
20F-4-G2-IGFR	FGRGYGGDGGGYWSGYEWLA	5.1	1.3	0.5	2.7	0.4	
20F-4-D11-IGFR	VNYEMDRVPPMPWGGYWWLS	5.0	1.0	0.5	2.3	0.4	
20F-4-G4-IGFR	MGGGLWVGVHIWPGYSWLSQ	3.9	6.0	0.5	1.8	9.0	
20F-4-G12-IGFR	SDVWAQPQRRNDWPGYHWLS	3.2	6.0	9.0	1.5	0.7	

		Ratios or	ver Backgr	puno	Ratios over Background Comparisons	s
Clone	Sequence	E-Tag	IGFsR	R	IGFR/IR II	VIGFR
Design	XXXXXXXXXXXXXXXXX	:	!	;	:	:
R20ß-4-A4-IR	WPGYLFFEEALQDWRGSTED	11.9	17.5	1.4	11.9 17.5 1.4 12.5 0.1	0.1
R20ß-4-F2-IR	SMFVAGSDRWPGYGVLADWL	16.4	13.9	3.1	4.5	0.2
R20β-4-E8-IR	VRGFQGGTVWPGYEWLRNAA	41.0	34.9	3.6	41.0 34.9 3.6 9.7 0.1	0.1

Ratios over Background Comparisons	E-Tag IGFsR IR IGFR/IR IR/IGFR	: : :	10.2 3.1 2.4 1.3	23.4 9.6 4.1 2.3
	Clone	Design	20F-4-H10-IR	20F-4-C10-IR

		Ratios ove	er Backgro	pun	Comparisons	sons
Clone	Sequence	E-Tag	E-Tag IGFsR IR		IGFR/IR IR/IGFR	IR/IGFR
Design	XXXXXXXXXXXXXXXXX	:	:	:	;	:
R208-4-D10-IR	LGPLLRWGSEVCGVWPDLCE	21.5	1.0	8.0	0.1	8.0
R208-4-D9b-IR	PFGFGGRWWGIPRMWYRNS	32.6	6.8	15.1	0.5	2.2
R20[3-4-H4-IR	WWWGGRNRWWLERWGLGGER	11.6	1.7	3.6	0.5	2.1
R20 -4-A2-IR	GRVALWGPVWPRWWFMSRPV	17.1	2.6	5.2	0.5	17.1 2.6 5.2 0.5 2.0

		Ratios ove	Ratios over Background	pun	Comparisons	isons	
Clone	Sequence	E-Tag	E-Tag IGFsR IR I	포	IGFR/IR IR/IGFR	IR/IGFR	
Design	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	:	;	;	!	:	
R40-3-40A2-IR	RGTRTDRLWKSGGFAIVPRWPCFSYHCLVEWITKTGSPG	44.6	1.5 2.7	2.7	7 0.6 1.8	1.8	
R40-4-40F10-IR	GRTSMAFVPPRHLQPELAPRPVRNHAWLVGGG	46.4	1.9	2.1	1.9 2.1 0.9. 1.1	1.1	

5	c	Ratios ov	Ratios over Background	pun	Comparisons	risons	
Clone	Sequence	E-lag	GFSR	¥	IGFK/IR IR/IGFR	IKIGFR	
Design	XXXXCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	•	•	;	;	;	
20C-3-H3-IGFR	DHRLCGTDEYLMQDLFVRGLCRLIW	28.5	26.6	1.0	26.6	<0.1	
20C-3-F4-IGFR	GLLFCKQLFTLAGLQPEAGCVSSSR	34.4	27.5	1.2	23.1	<0.1	
20C-4-C10-IGFR	IWIACLDELLRGQVWSSCRRRAPIG	35.5	24.4	1.3	19.2	0.1	
20C-3-G5-IGFR	DWLRCLGVILSGGLTELANTGCVQG	29.3	21.1	1.1	18.7	0.1	
20C-3-A2-IGFR	WFSFCLGGLLQAQEWSVWGRDVGCI	33.9	18.3	1.1	16.9	0.1	
20C-3-B4-IGFR	GYSWLRDVLMEKQAQLKREGSVGRQ	39.8	29.1	1.9	15.2	0.1	
20C-3-C6-IGFR	FLTRLLERLGLS*ERGEAGGPYAQA	34.8	20.9	1.4	14.9	0.1	
20C-3-E2-IGFR	FSGFCMGLERLSQVSLGYCGAGQGG	34.8	28.1	2.0	14.2	0.1	
20C-3-A3-IGFR	ISFRCQLFVLAGMHPCPVDVGGEGF	33.7	14.3	1.2	12.4	0.1	
20C-3-B1-IGFR	NTPNCSQDWGQESGFMALLLALTCK	30.2	9.6	0.9	11.2	0.1	
20C-3-F5-IGFR	LOGFCELLATVTGVTGLGCLDYQPI	35.5	31.9	3.9	8.2	0.1	
20C-4-A7-IGFR	GSSICNLLARAQIVELALCEMGVQE	33.3	19.3	2.8	6.9	0.1	
20C-4-F8-IGFR	LSFACLLSQLSGVVLPDCLLGED	30.5	27.7	5.3	5.2	0.2	
20C-4-G11-IGFR	GEHFCQLLMSLCGDDCGPVNCGGGS	24.7	13.3	2.8	4.7	0.2	
20C-3-E1-IGFR	GWFECLLASLVLQVPQGRSRASAVC	34.0	5.1	1.6	3.1	0.3	
20C-3-B6-IGFR	YRQECACSVGAVGFLCGLACLARSG	37.3	32.8	13.7	2.4	0.4	

		Ratios ov	Ratios over Background	pun	Compari	Comparisons
Clone	Sequence	E-Tag	E-Tag IGFSR IR	R	IGFR/IR IR/IGFR	RIGFR
Design	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	:	;	;	!	;
40F-4-D1-IGFR	LSCLAYSRHGIWRPSTDLGLGRSVGEGSVSTRWRGYDWFE	4.9	4.6	0.3	13.1	0.1
40F-4-B1-IGFR	GLDHSDAVGVHLGFAWPA.ARGRWEAGGLEDTWAGYDWL	4.1	3.0	0.2	13.1	
40F-4-D10-IGFR	W.GYAWLS	4.9	4.5	0.4	11.7	0.1
40F-3-A3-IGFR	LSCLAYSRHGIWRPSTDLGLGRSVGEGSVSTRWRGYDWFE	2.6	2.0	0.3	7.9	0.1
40F-4-C4-IGFR	EAMAVGLQCPARFVRAAAHGDGGSWGQDHV.AWGGYWWLG	3.8	2.0	0.5	4.1	0.2

		Ratios ov	er Backgro	pun	Compar	isons
Clone		E-Tag	IGFsR		IGFR/IR	INIGFR
Parental/Design		39.1	1.8	27.7	0.1	15.4
F815-4-G11-IGFR		34.6	7.9	1.0	7.9	0.1
F815-3-D1-IGFR	HRFVREGLLWGAYQFCYCSG	14.9	1.0	2.0	0.5	2.0
F815-4-C12-IGFR		35.2 1.0 2.0 0.	1.0	2.0	0.5 2.0	2.0
F815-4-A11-IGFR	HLSVLEELSWGASLFGQWAG	5.4	1.0	2.1	0.5	2.1

Figure 10G

		Ratios ove	Ratios over Background	pun	Comparisons	sons
Clone	Sequence	E-Tag	IGFSR	≅	IGFR/IR 1	IR/IGFR
Parental/Design	HLSVLEELSWGASLFGQWAG	5.4	1.0	2.1	0.5	2.1
NNKH-4-A9-IR	NLCRLEELAWGASLFGQCAG	16.3	1.0	2.7	0.4	2.6
NNKH-4-H4-IR	APVSTEELRWGALLFGQWAG	15.6	1.0	2.6	0.4	2.5
NNKH-4-B3-IR	HLSVLEERWWRESLFGQWAG	13.6	2.8	6.7	0.4	2.3
NNKH-4-E1-IR	HLSVLEERWWRAALFGQWAG	13.9	4.8	9.5	0.5	2.0
NNKH-4-E7-IR	HLSILEEQWWRESLFGQWAG	16.9	1.3	2.3	9.0	1.8
NNKH-4-G3-IR	HMSVEELSWWASLFGKQAG	11.3	1.3	2.3	9.0	1.7
NNKH-4-B6-IR	HLSELEERWWRATLFGQWAG	13.2	1.3	2.1	9.0	1.7
NNKH-4-A10-IR	HLSVLEELWWRESLFGQWAG	15.4	2.0	3.2	9.0	1.6
NNKH-4-A5-IR	HLSLLEEQWWRESLFGQWAG	14.6	4.6	6.9	0.7	1.5
NNKH-4-F11-IR	HLSVLEERWWRETLFGQWAG	14.0	3.1	3.9	0.8	1.3
NNKH-4-C9-IR	HLSVLEEQWWRESLFGQWAG	14.3	2.3	2.9	0.8	1.3
NNKH-4-D12-IR	HLSVLEEQWW.ESLFGQWAG	12.0	1.4	1.7	0.8	1.2
NNKH-4-D10-IR	HLSVLEELWWREALFGQWAG	13.6	1.2	1.5	0.8	1.2
NNKH-4-E5-IR	HLSVLEERWWRATLFGEWAG	14.5	1.4	1.6	6.0	1.1
NNKH-2-A6-IR	HL.VLEELLWGVSLFRQWAG	8.4	1.4	1.5	1.0	1.1
NNKH-4-F6-IR	HLSALEEQWWRATLFGQWAG	14.1	2.8	2.9	1.0	1.0
NNKH-4-C7-IR	HLSVLEERWWRATLLESGQ	14.7	1.4	1.4	1.0	1.0
NNKH-4-F7-IR	HLSALEELWWRETLFGQWAG	14.1	7.5	7.0	1.1	0.9
NNKH-4-F8-IR	HLSVLEELWWRESLFGKWAG	13.6	11.0	8.6	1.3	0.8
NNKH-4-E9-IR	HLSVLEEAWWRESLFGHWAG	15.5	7.9	0.9	1.3	0.8
NNKH-4-E6-IR	HMSEQEELWWRATLFGQWAG	18.2	3.8	2.7	1.4	0.7
NNKH-4-B7-IR	HLSVLEERWWRETLFGEWAG	16.5	12.9	8.2	1.7	9.0
NNKH-2-B3-IR	HRSVLKQLSWGASLFGQWAG	11.5	5.3	0.7	7.4	0.1

		Ratios ov	Ratios over Background	pun	Comparisons	risons
Clone	Sequence	E-Tag	IGFSR	×	IGFR/IR IR/IGFR	IR/IGFR
Parental/Design	HLSVLEELSWGASLFGQWAG	5.4	1.0	2.1	0.5	2.1
NNKH-2-C5-IGFR	HL*VLEELSWGASLVGQWAV	7.3	6.0	0.7	1.3	0.8
NNKH-2-D9-IGFR	HLSVLEEL*LGASMFGLWAG	4.1	0.5	0.4	1.3	8.0
NNKH-2-H12-IGFR	HLSVLKELSW*ASLFGQWAG	5.0	1.3	1.1	1.2	0.8
NNKH-2-D10-IGFR	HLSALEELSWGASLFGQWAG	4.8	2.1	1.9	1.1	0.9
NNKH-2-G9-IGFR	HLSVLAELS*GALLFGQWAG	1.9	1.4	1.3		6.0
NNKH-2-C6-IGFR	RLSVLEQLSWGASLFGPWAG	18.2	1.0	6.0		6.0
NNKH-2-C7-IGFR	HL*VLVQPSWGASLFGQWAG	21.8	1.3	1.3	1.0	1.0
NNKH-2-F11-IGFR	HQSVLEELSR*ASLFGQWAG	6.7	1.3	1.4		1.1
NNKH-2-H3-IGFR	DMSVLGGLSWGA*LFGQWSG	4.7	0.7	0.8	6.0	1.1
NNKH-2-B8-IGFR	HLSVREGQLWRASMFGRWAG	17.5	3.7	5.2	0.7	1.4
NNKH-2-B12-IGFR	QLSVLVEL*WGASLFGPWAA	1.2	1.0	2.9	0.3	2.9
NNKH-2-F9-IGFR	HLSVGEELSW*VALLGQWAR	3.7	9.0	2.1		3,5

								_																				
Sequence	KIGGQGQHQDGNFYDWFVEALAKK (£-bioùn)	KVLQARHGCDSVSDCFYEWFAKK (£-biotin)	KWSAI I SVAMTGEVAWEDDAVAV (c. biodia)	KGIKWAI VEHVDOI EVEWENI KK 6. E	KRDK PTDOFFONWSEVEWERHKK (c-blotin)	KVFWNCRSOOL DFYEWWFFOAAKK (s-hiotin)	KLESHYVVPOAALDRLFYSWFSKK (r-hiotin)	KFYGWFSROLSLTPRDDWGLPKK (c-biotin)	KSAPGLVSNKODGLFVSWFREKK (£-biotin)	KRGGGTFY EWFESAL RKHGAGKK (r-hintin)	KDPERMOSDVGFYEWFRAAVGKK (E-hiotin)	DYKDCWARPCGDAANFYDWFVQQASKK (e-biotin)		DYKDVTFTSAVFHFNFYDWRVROVSKK (s-biotin)	SAKNFYDWFVKK (e-biotin)	ADKNFYDWFMAAKK (e-biotin)	DYKDLCOSWGVRIGWLAGICPKK (r-hiotin)	FHENFYDWFVRQVSKK(e-biotin)	DYKDFYDAIDOLVRGSARAGGTRDKK (r-biotin)	KDRAFYNGLRDLVGAVYGAWDKK (¢-biotin)	KVRGFOGGTVWPGYEWI RNAAKK (e-biotin)	KSMFVAGSDRWPGYGVLADWLKK (e-biotin)	KEIEAEWGRVRCLVYGRCVGGKK (ε-biotin)		KWLDQEWAWVQCEVYGRGCPSKK (e-biotin)	KHLCVLEELFWGASLFGYCSGKK (c-biotin)	DYK DERSA A GERGNEVINWEVA OVNIK V G-Listin)	LGENFYDWFVMQVRKK
Ratio IGF/IR	25	6.2	2 2		43	6.4	8.8	8.3	3.3	1.7	5.2	0.1	0.0	7.2	>2.5	>2.5	8.	9.6	5.2	2.9	5.9	6.7	>17	220	29 >15	200	200 ×	13
K4 (µM) HIGFR	13	7.4	15	>20	12	6.2	9.7	19	12	1.4	3.2	0.05	70.0	5.4	>20	×20	- 8	1.9	1.3	13	2.2	7.4	>20	220	16 >20	8.2	200.	18
Activity				-			Antagonist	Antagonist	Antagonist	Antagonist		Neutral		Agonist	Neutral		Agonist	Agonist	Agonist	Agonist	Antagonist	Antagonist	Antagonist		Antagonist			
Fat Cell Assay														~20 µM			>20 µM	~20 µM	~20 µM	~20 µM								
PO,							YES											YES	YES	YES								
K, (µM) HIR	0.51	1.2	0.74	20	2.8	0.97	=	2.3	3.6	0.84	0.62	0.49	6.13	0.75	8.1	8.1		0.70		0.25	0.37	=	1.2	0.1	1.3	0.04	2.6	1.4
Formula	_	_	_	_	_	_	_		_		_			-	_	_	6	_	7	7	2	10	9	ļ	o l	4	_	_
Clonal Name	20[)3	20D1	B8	E7	118	20F1	40G11	3611	20111	E	D2	IGFR CI	IGFR 112	A65-4-1+2	IGFR A6	IGFR DS	IGFR JBAS	IGFR 112C	20E2	20CII	E8	F2	20A4 (A7)	و	S.	85 8	IGFR EA	IGFR D2C
D Name		D102	D103	DIG	D105			7	1	\exists		D112				7	916		D118	·····		D121	T.	5610		D124		D126

Figure 11A

Neman		Motif	S. Contraction of the contractio	IX-Kd	IR-IC _s	IR-IC, FP.	<u>0</u>	Fat Cell
20-F2	×	186	DVKDEVDA IDOI VEGA DA COTENA VILLA	11-030	Diacore	3173		Assay
		70	DAVIDORIA DECORA ANTICO CONTROLLA DE CONTROL	Mn 062		2.8 nM	+	‡
_	10112	Ab	DYKIX WARI'CGDAANFYDWFVQQAS KK-biotin	490 nM				0
170	6717	L-C 1.(X)!	K WI.IJQI:WAW VQCEVYGRGCPSKK	550 nM			0	•
8.1	D120	GROUP 6	KRGFQGGTVWPGYEWLRNA	370 nM				
æ	15124	CCLOOP	KIII.CVI.EELFWGASI.FGYCSGKK	40 nM			•	0
112C	D117	۷6	FITENFYDWFVROQVSKK	700 nM	>5 µM	SnM	‡	‡
KCF9			RI.YYI:WFWGQI.EAQGRGGI.S					
KC-G2		C-C-C	GLEQGCPWVGLEVQCRGCPS					
KCG7		B6	FYCGLEELSWGAALFGYCSG		on (>			
NG-C2		136	GNGIXGMFYQLLSLLVGRDMH					
NG-G33		A6	GIISQSCPESFYDWFAGQVSDPWWCW		24 uM	4.2 nM	‡	
NG-G8		B6	VEGRGLFYDLLRQLLARRQNG		>5 uM			
NG-G9		B6	RAMSFYDALVSVLGLGPKK-Biolin					
RP-1		A6	GSRPVFITEQFYEWFVDQLGL		J. I.		+	
RP-2		A6	RSEASFIIVEFYSWFEEQLRS		Mil		+	
RP-3		9V	GRFYGWFQDAIDQLMPWGFD		VII 01 <		.	
RP4		B6	PPWGARFYDAIEQLVFDNI,		Will			
RP.5		136	AGVNAGFYRYFSTLLDWWDOGKK-Biotin		Wii 9			
RP-6	_	136 + C-C	TFYSCLASLLTGTPQPNRGPWERCRKK- Biotin				‡	
RP-7		A6	AAVIEQFYDWFADOYKK					
RP-8		136	QSFYDYII:ELI.GGEWKK		Nu 5<		+	
RP-8#	S287	B6	QSFYDYIEELLGGEWEE					
RP-9		9V	GSLDESFYDWFERQLGKK			2 9 nM	‡	
RP-10		136	GSFYI:AI.QRLVGGEQGKK		>10 µM		+	
RP-11		V9	QAPSNFYDWFVREWDKK		>10 uM		+	
RP-12		B6	DPFYQGLWEWLRESGKK					
RP-13		A6	ASGFPENF Y DWFGRQLSLKK		>10 LM			
RP-14		9V	SACQFDCIENFYDWFARQKK		>10 µM			
RP-15		A6	SQAGSAFYAWFDQVLRTVKK					
RP-16		B6	V,DARDD[FUJL;SE;VTLL					
P-17		B6	QSDAFYSGLWALIGLSDGKK		>10 µM			
RP-18		B6	LQPCSGFYECIERLIGVKK					
RP-19		A6	LKDGFYDYFWQRLHLGSKK					
RP-20		B6	GSASFYDAIDRLLRMRIKK					
RP-24		GROUP 6	WPGYLFFEEALQDWRGSTED					
2167	2918	9V	AFYDWFAKK	>20 µM	No Binding			
\$173	S173	RB6	LDALDRIMRYFEERPSL	1.2 µM				
SI 74	S174	RB6	PLAEI,WAYFEHSEQGRSSAH	16 µM				0
\$175	S175	A6	GRVDWLQRNANFYDWFVAELG	230 nM	2-4 µM	Mn 6.0	‡	0
7613	7610	7.	MOTHER ACTORITION IN					

Figure 11B

	ה ה ה			FA 01	2. 6	1		
Name	name '	Motif	Sequence	- Y-	1K-1C8	IK-ICS FP.	Ž.	Fat Cell
	5177	ı	ELIWATANDEVETT CEUM DECC		Blacore	5175		Assay
	07.13	İ	בויייון יבון דון דון דון דון דון דון דון דון דון ד	2.7 µM				+
ļ	9/10		EHWNIVDPFYOYFSELLRESG	130 aM				
	8179		OSDSGTVJIDRFYGWFRDTWAG	MIN OC				0
	600	l	COLL PICT UNION DI COLLEGA	340 nM	İ			‡
	2770		FOSTILET, V WGAPLFRYGIG					
	S225		PI CVI FFI FWGASI FGVOSG					
l	1	l						
	9770		OI. EEEWAGVOCEVYGRECPS					
	6364	L	TOWNED BY COMPANIES OF STREET					
ı	27,70		ICOWER' TOWIND VAOMFEE					
	S257		RWPNFYGYFIST 1 TIES					
ļ	6369	ł						
	0770	00	HYNAFYEYFOVLLAFTW					
	\$259	136	FGWDEVevrent LAGAT					
l			LOWEL ISTROCKASVI					

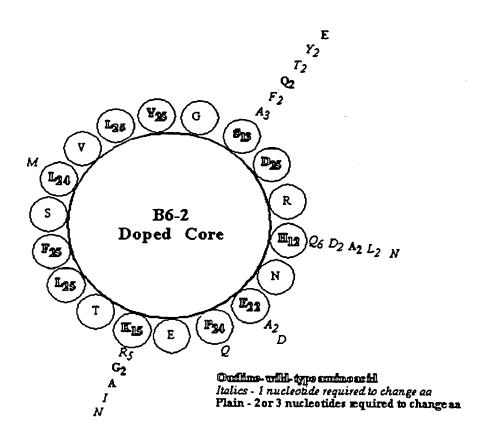


FIGURE 12

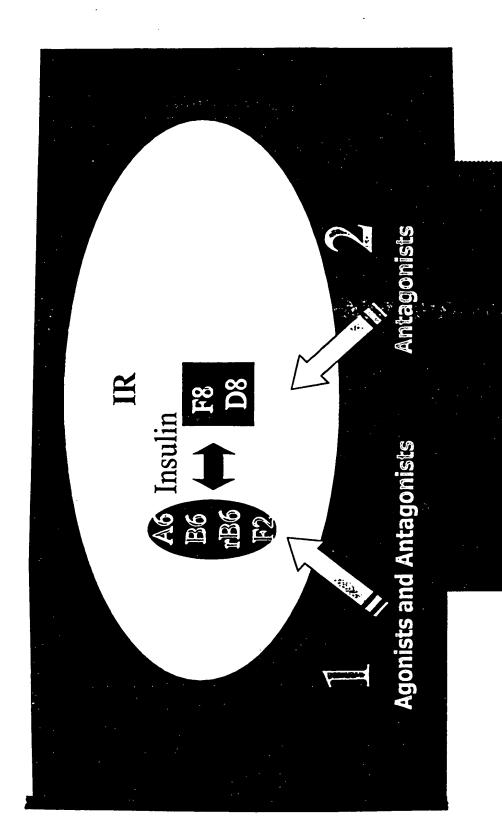


FIGURE 13

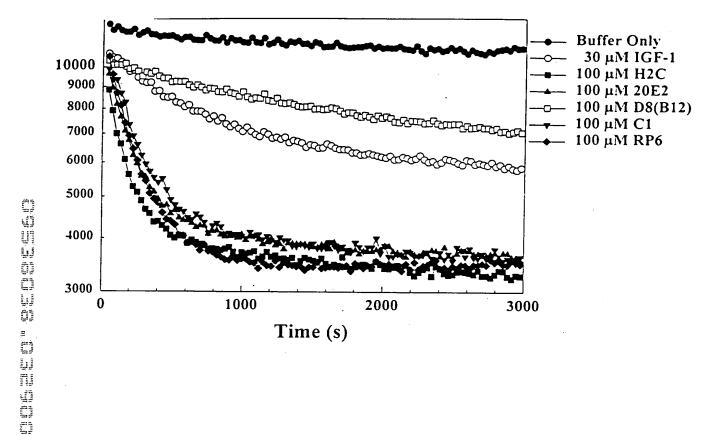
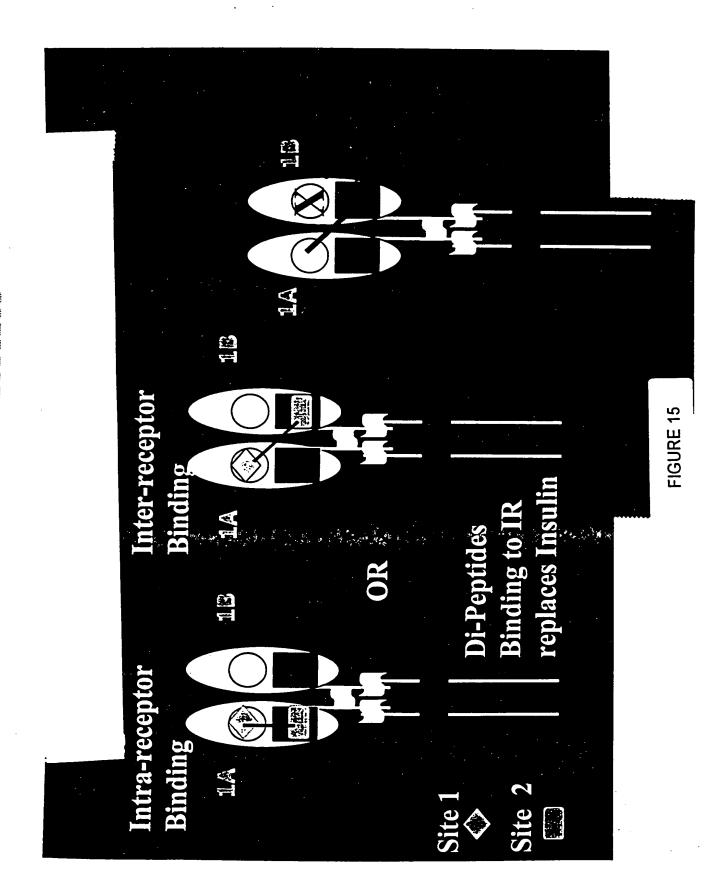
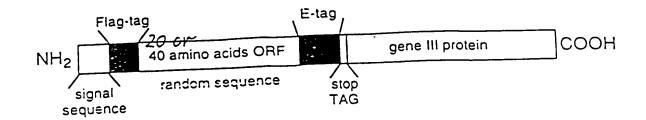


FIGURE 14





MBP-H2C homodimer s

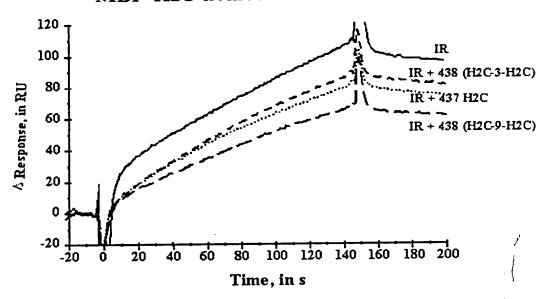


FIGURE 17

And the property of the same form that the same from the first factors and the first factors and the first factors.

Class I clones		Compet-
B6 3x DYKDAETPAQVGWNRLWSVWPGEHWNTV DPFY HK LS ELLRESGA	kind 3 kind 4	1110n +
E5 2x DYKDRHLTNAELGVQSPEVLSRLFPDGDIFYRALSHLVRGMGPP	2	+
B5 2x DYKDRGGMDRQWLDVGARHRLERRSVQDNTDDFYGGLRILVDGF	2	pu
9 DYKOGPPOSFDVTEKGDMAILNVRFDPHSLDFNDQT FY F LL DS L]	pu
G6 DYKDGGTYFRGQVAQSNESLLRVNFLQLLEALAASPPT	1	nd
12 DYKDAPLDARLSAPRFQWSPRTWRQSLSYGEWSCGSFYDCLSSI	Ţ	pu
A5 DYKDMGSSQFQDTRPSSGQAYSHSLDSDGWGTANWIFLRALEGL	7	nd
C6 DYKDSGAAHEGNQGRERSTHLAANINDHLPGDAGIWLGYSWLS	F	+
Consensus (regular+frameshifters) d.FY.lLsaL		
s human IGF mature VCGDRG FY FNKPTGYGSSSR		
23 30		
human IGF propeptide MSSSHLFYLALCLLTFTSSA		
-16 -9		
Class I frameshifting clones (all in +1 frame)		
F6 2x TTKTRG.IFGMLLGVLRFQILLWPFPKDCVQMKDIFYSLLASL	1	+
7 3x TIKTRIGCCS.LVWGWRGCRLADGFYAFIMALAG	C *1	pu
8 TTKTRLRLLLLGGDEPFYGLLRMLIGRGS	-	pu
G5 TTKTGWFAWVLAFSVQGVGVAFYSALAALLCAHSASLVCGA 1	3GA 1	pu
Class II clones	·	5
	-	nd ng
R35 DYKDSGCCRLLGLRWMFIVIVGWSGALVCQSAASAAGFYDWEV	1	

FIGURE 18

GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA

human IGF mature (1-70)

nd = no data

GACTACADAG ACTICUGUTI CANTITICGG TAIGTIGCTG GCGGTTAGAI TCTTCTGTGG CCGTTTCCTA AGGATTGTT TCANTITTT ATTCGTTGTT GCCTAGTTTG GCGGCCCGA Dykdshil hfryva 6 raqvsd syad sysdssyadda 1 tktrc i fchil gylrfqill mpfpkdcyqhkdifys llasta aslaaa 1 grivyffsv Cmaclbfrfg

CACTACAAAG ACCCCGTICC CCTCCTUGTT CCTCCTTGCG CGTCATGCGCCTTCTCCCG ATGCTCCTCCTTG GCCTCCCCCCCC ATG A V A P W G . . A F L W A S P Y A D W S W V G R T T K T R L R L L L L G G D E P F V G L L R M L I G R G S A A A L Q R R G C G C C S L G V M S L F M G F S V C . L V V G L R P

CACTACAMAG ACTGCTTGCTTGCTTGCTTGATATA CCTTTTACGGGGT CGGTGGGT TTTTACTCAC CGTGGCTGC CTGTTGGTG CCCCATAGTG CTTCTTGGT GTGTGGTGG GCGGCCGGA DYRDWLVCLGVWISFFGWC GGWC GRCGFLLSVGCLVVCPQCFFGWC GR TTRTGWFAWV...LAFSVQGVGVAFFYSALAALLCAMSASIVCGAAAA LQRLVGLLGCDDQLFLFRGSVWLFTQRWLPCCVPIVLLAMSASIVCGAAAA

CACTACAMAG ACCCCGATIG GGTGTIGTAG CTGATIAGTT TGGGGTTGGA GGGGATGGCTGAT GGGTTTTATG CGTTTTTAT GGCGTGGCT GGGGGGGGG CA
D Y K D P D W V L Q L 1 S L G L E G M Q 1 G . M V L C V F D G A G W G G R
T T K T R 1 G C C S . L V W G W R G C R L A D G F Y A F L M A L A G A A A
L Q R P G L G V V A D Q F G V G G D V D W L M G F M R F . W R W L G R P

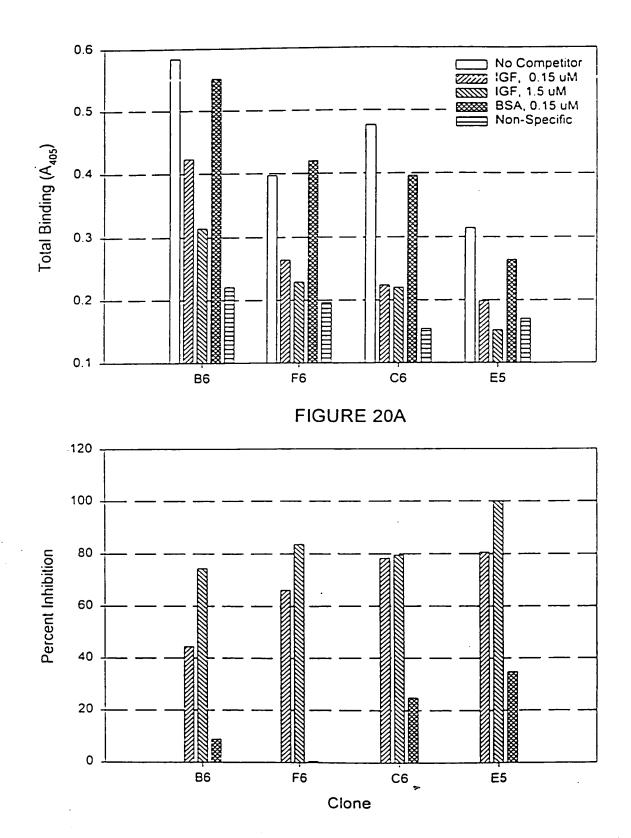


FIGURE 20B

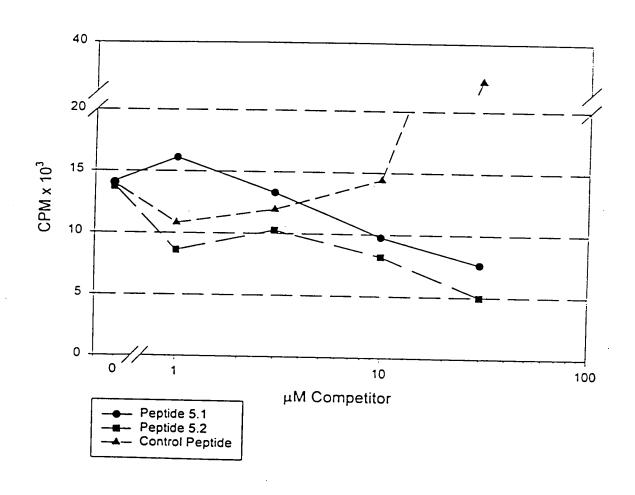
AETPAQVGWNRLWSVWPGEHWNTVDPFYHKLSELLRESGA Peptide 5.1 (18 aa) Clone B6

NTVDPFYHKLSELLREKK (biotin)

QMKDIFYSLLASLAAKK (biotin) MLLGVLRFQILLWPFPKDCVQMKDIFYSLLASL Peptide 5.2 (17 aa) Clone F6

ADKNEYDWEMAAKK (biotin) PLYGGGIHLYYPGTMGYVPGFPRQVK<u>VLGDADK**NFYDWF**M</u> Peptide 5.3 (14 aa) Clone D5

SAKNEYDWEVKE (biotin) YRGMLVLGRISDGAGKVASEPPARIGQKVFAVNFYDWFV Peptide 5.4 (12 aa) Clone A6



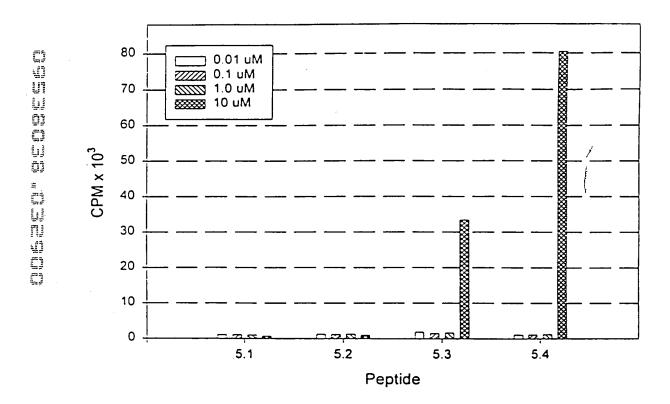


FIGURE 23

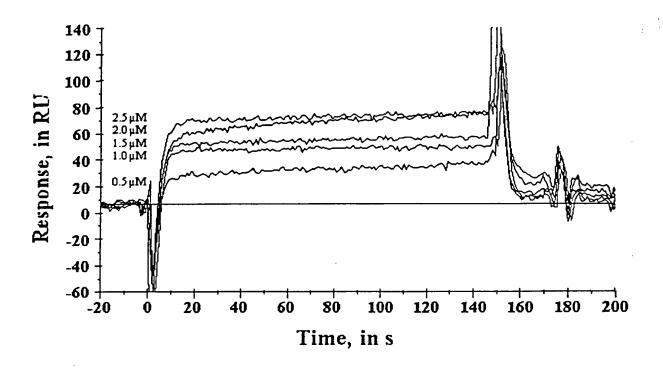


FIGURE 24A

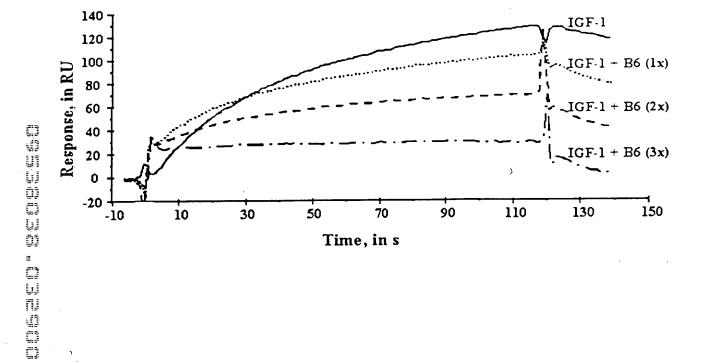


FIGURE 24B

GACTACAAAGACGACGATGACAAGTACCGTGGTATGCTGGTTCTGGGTCGTATCTCTGACG
D Y K D D D K Y R G M L V L G R T S D

GTGCTGGTAAAGTTGCTTCTGAACCGCCGGCTCGTATCGGTCAGAAAGTTTTCGCTGTTAA
G A G K V A S E P P A R I G Q K V F A V N

CTTCTACGACTGGTTCGTTGCGGCCGCA 96 nt
F Y D W F V A A A A FIGURE 25A

CTACAAAGACGACGATGACAAGTACCGTGGTATGCTGGGTCGTATCTCTGACGGTGCT

GGTAAAGTTGCTTCTGAACCGCCGGCTCGTATCGGTCAGAAAGTTTTCGCTGTTAACTTCTACG

ACTGGTTCGTTGCGGCCGCAGTGTGA 154 nt

FIGURE 25B

TTNNKNNKNNKNNK V X X X X 21 aa

FIGURE 26A

CTACAAAGACNNKNNKNNKNNKNNKNNKNNKNNKNNKNNKAACTTCTACGACTGGTTCGTTNNK NNKNNKNKGCGGCCGCAGTGTGA

FIGURE 26B

```
H5 NH<sub>2</sub>-D-Y-K-D-L-C-Q-S-L-G-V-T-Y-P-G-W-L-A-G-W-C-A-K-K(Biotin)-COOH

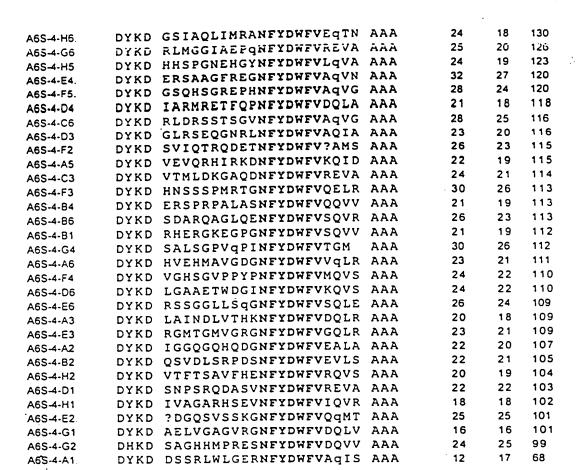
H5 Control NH<sub>2</sub>-D-Y-K-D-W-C-L-T-L-Q-P-L-V-W-A-S-G-G-G-Y-C-A-K-K(Biotin)-COOH

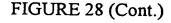
H5-447 NH<sub>2</sub>-D-Y-K-D-L-C-Q-R-L-G-G-T-F-P-G-W-L-V-G-V-C-R-K-K(Biotin)-COOH

H5-432 NH<sub>2</sub>-D-Y-K-D-L-C-Q-S-L-G-V-T-W-P-G-W-L-A-G-W-C-A-K-K(Biotin)-COOH
```

Clone:			Bindin Target	g Ratios: E-Tag	% Max
A6S-1-C5	DYKD	RIHNQTERSGNFYDWFVHqLV AAA	7	27	26
A6S-1-G3	DYKD	VATVHVGGGMNFYDWFVAQVG AAA	5	19	26
A6S-1-A2	DYKD	KDPVTVSQGRNFYDWFVVqIQ AAA	5	20	25
A6S-1-D5	DYKD	RVGSGMEDLGNFYDWFVRQAq AAA	5	25	20
A6S-1-H4	DYKD	HKSWTTMSPLNFYDWFVAQVE AAA	3	18	17
200-1-114	JINJ		-		
A6S-2-F2	DYKD	LAMSVASRPANFYDWFVAqIV AAA	30	35	86
A6S-2-D2	DYKD	RAERGSMRDSNFYDWFVqQLP AAA	30	36	83
A6S-2-E3	DYKD	VqEGLSGMEGNFYDWFVDQLF AAA	28	36	78
A6S-2-H2	DYKD	RGGRESDSGTNFYDWFVGAIR AAA	28	40	70
A6S-2-A3	DYKD	SRAPYGSTAGNFYDWFVqAVS AAA	25	37	68
A6S-2-H1	DYKD	RVGIqVDPHTNFYDWFVIQLT AAA	27	42	64
		•			
A6S-2-F1	DYKD	VGqVGRYVRSNFYDWFVQqAM AAA	8	30	27
A6S-2-G1	DYKD	RPqLVESGSK NFYDWFV qVVR AAA	8	30	27
A6S-2-B2	DYKD	EMYGDTSERVNFYDWFVSALq AAA	5	30	17
A6S-2-A1	DYKD	LSSRGRVTMRNFYDWFVAqVV AAA	3	31	10
400 2 544			22	22	06
A6S-3-E1(DYKD	RVREKLPRPENFYDWFVNqIH AAA	22	23	96 05
A6S-3-G2	DYKD	TWMWEERKqDNFYDWFVGQLK AAA	20	21	95 00
A6S-3-E5	DYKD	RYRGERHDGRNFYDWFVEQVN AAA	19	21	90
A6S-3-H2	DYKD	qGAEGRLSEGNFYDWFVQAVS AAA	19	21	90
A6S-3-H9-	DYKD	YSIEVQDWNENFYDWFVSQLG AAA	20	23	87
A6S-3-G3	DYKD	PRLHMGSDMGDFYDWFVVQIA AAA	18	21	86
A6S-3-F8	DYKD	GRGqGLKRPDNFYDWFVAAAK AAA	20	25	80
A6S-3-G1(DYKD	GAVGLAEAGPNFYDWFVSqVq AAA	19	24	79
A6S-3-H1	DYQD	PASNKNSLAE NFYDWFV qQTR AAA	23	30	77
A6S-3-E6	DYKD D	ARDHGVWVMS NFYDWFV AqVS AAA	5	20	25
A6S-3-D9		SLQGADFqQGNFYDWFVSELA AAA	4	17	24
A6S-3-E3	DYKD	RPSLPEVRPGNFYDWFVqSVR AAA	4	19	21
A6S-3-H8	DYKD	NPTSVqQYGVNFYDWFVNVLS AAA	4	20	20
A6S-3-G4		CADPGACSSLNFYDWFVqMRG AAA	4	21	19
A6S-3-B1(DYKD	YDqDPPYWGLNFYDWFVREVA AAA	3	16	19
A6S-3-C1	DYKD	RPVIGGGGTRNFYDWFVAqMI AAA	3	17	.18
A6S-4-G5	DYKD	QEVTRTRDDKNFYDWFVSqIF AAA	26	18	144
A6S-4-D2.	DYKD	PPYRSSRLGENFYDWFVMqVR AAA	26	19	143
A6S-4-F6	DYKD	LKGSSQPLSVNFYDWFVQQIK AAA	24	17	142
A6S-4-H4	DYKD	PRMVEKPSEDNFYDWFVTqLS AAA	28	20	141
A6S-4-C1	DYKD	CWARPCGDAANFYDWFVqQAS AAA	22	16	141
A6S-4-G3	DYKD	GAQAIREIHHNFYDWFVAQVT AAA	29	21	139
A6S-4-H3.	DYKD	GRGDQRHETTNFYDWFVRELq AAA	28	20	137
		•			

FIGURE 28





Name	Sequence	#Found	Ratio	IGF Inh.	GHR*
H5: 2C3:	LCQSLGVTYPGWLAGWCA VCQRLGGTFPGWLVGVCR	- -	1.2	-	2.6
JBA5: E2A12: E1A11: E4B10: E4C10: E4A9: JBB6: E1F9 E4G7: E4A11: E1B9: E4A12: E4F11:	LCQSWGVRI-GWLAGLCP LCQSLGFTDLDWLACWFE VCQSLGITDLGLCAGWGA LCQSLGLTHPGFEAWLCA LCQNFGVTDPGCFYGWFA LCQSSGLSFLGCL-GWWA PCQRLGDTHLCWLAGWFA PCQSLGLTCSGWFEGWGA QWQSLGVTCPGSWAELCA LWQSVGIKYPGGLAGWLA LCQSLGVTYWEGLAWLCA VCQGLGVECPGWFAGWWA LCQGWGIRI-GWLVGRCM	19 10 1 5 1 14 6 1 1 1 3 3	~24.0 ~17.5 16.4 ~11.7 9.9 ~8.5 ~8.3 6.0 5.8 5.5 ~5.3 2.7	~45% ~54 50 ~50 ~51 ~65 ~65 68 50 67 60 ~55 58	1.2 1.1 1.0 1.2 0.7 1.0 1.1 1.2 1.3 1.4 1.1
E1D3:	LC <u>O</u> SL G VTYPGWLAGGCA	1	2.0*	_	1.0

Genomic rvab Library

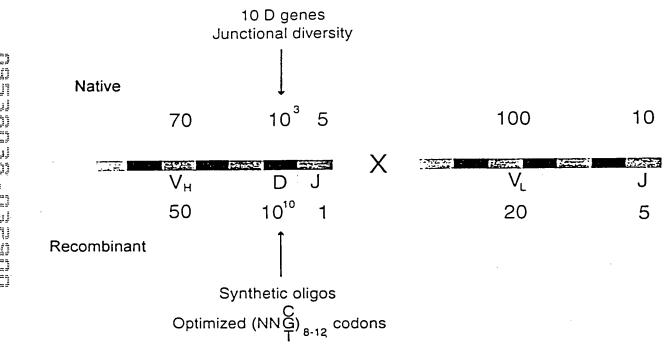


FIGURE 30

Lambda and Kappa VH Gene Sequences Gene Sequences DP-1 DPK11 DP-10 **DPK15 DP-12 DPK18 DP-14** DPK2/L14+ **DP-15** DPK3/L11+ DP-2 DPK4 DP-21 DPK6 **DP-25** DP-29 DPK8/Vd+ DPL23 **DP-30** HK101 **DP-31** L22+ **DP-32** L23/L23a DP-33 LFVK431 **DP-35** VA++ DP-38 DP-39 **DP-40 DP-42** DP-44 DP-45 **DP-46 DP-47** DP-5 **DP-50** DP-51 DP-52 **DP-53** DP-54 DP-59 DP-63 DP-66 DP-67 **DP-68** DP-69 DP-7 **DP-70** DP-71 **DP-73 DP-74** DP-8 hv1263

VHD26

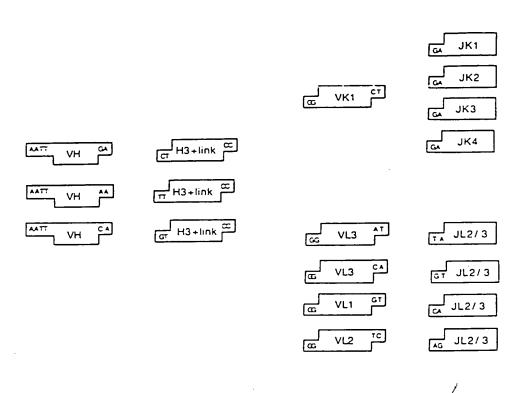


FIGURE 32


```
6x-12x TrpGlyGluGlyThrLeuValThrValSerSerGlyGlyGlyGlySerGlyGlyGlyGlySerGlyGlyGlyGlyGlyGlySer
                                         NNB---NNBTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAGGTGGAGGCGGTTCAGGCGGAGGTGCCTCTGGCGGTGCCGGATCC
                                                                   CTIBIV - - - INVACCECGGTECETTGGGAECAGTGGEAGGAGTECACETECGECAAGTECGCETECACGAGAECGGEAA
                                                                                                                                                                                    BOLD = IN DG! COLLECTION
G4S linker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              / Not1 / PCR primer site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FIGURE 33
                                                                                                                                                                                                                                                                                                                                                                                      TGGACGTTCGGCCAAGGGACCAAGGTGGAAATCAAAGCGGCCGCAGTGTGAGTCCAAAAAGATTTCG
                                                                                                                                                                                                                               continued as for J4b gene and linker
                                                                                                                                                                                                                                                                                                                                                                                                              GAACCTGCAAGCCGGTTCCCTGGTTCCACCTTTAGTTTCGCCGGCGTCACACTCAGGTTTTCTAAAGC
                                                                                                                                        continued as for J4b gene and linker
                                                                                                                                                                                                                                                                                                                                                / NotI / PCR primer site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LeuThrPheGlyGlyGlyThrLysValGlulleLys
CTCACTTTCGGCGGGGGGCACCAAGGTGGAGATCAAA continued as for JKl
GAGAGTGAAAGCCGCCTCCTGGTTCCACCTCTAGTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTCACTTTCGGCCCTGGGACCAAGTGGATATCAAA continued as for JK1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TACACTTTTGGCCAGGGGACCAAGCTGAGATCAAA continued as for JK1
                                                                                                                                                                                  DP31, DP33, DP39, DP40, flp1, DP47 and DP49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  continued as for JL2/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       continued as for JL2/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        continued as for JL2/3
 Jildb gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            / JL2/3 for DPL16+v3s1+v318
                                                                                                                                                                                                                                                                                                                                                                  TrpThrPheGlyGlnGlyThrLysValGluIleLys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TyrThrPheGlyGlnGlyThrLysLeuGluIleLys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PheThrPheGlyProGlyThrLysValAspIleLys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAATGTGAAAACCGGTCCCCTGGTTCGACCTCTAGTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAAAGTGAAAGCCGGGACCCTGGTTTCACCTATAGTTT
                                                                                                                                                                                                                                                                           3' end for 4 VH genes: DP2, DP3, DP5 and DP38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for DPL23+VL3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for DPL2+DPL3
/ CDR 113 /
                                                                                                                                            NNK - - - NNK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for DPL11
GTG---
                                                                                                                                                                                                                                 NNK - - - NNK
                                                                                                                                                                TTIMM - - - PINM
                                                                                                                                                                                                                                                       GTWNM - - - NNM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTC---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTCAC---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CACAC---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JK3 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JK4 gene
                                                                                                                                                                                                                                                                                                                                                JK1 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                             JK2 gene
                                                                                                                                                                                        3' end for 7 VII genes:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /DPL23 (=VL3.1)/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DPL16 (=v3s1)+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       His
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ala
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NNN------GCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NNN-----CTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NNN-----CAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NNN------GGT
   VII gene
                                                                                                                                                                                                                                   CCGGAATTCGGCCCAGCCGCCCNNN----NCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCNNN-----G
                                                                                                                                              CCCCAATTCGGCCCAGCCGGCCNNN-----UAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GGNNN------C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CGNNN-----C
                                                 CCGGAATTCGGCCCAGCCGGCCNNN----NGA
                                                                                                 3. end for 40 VH genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CGNNN-----G
                                                                           GGCCTTAAGCCGGGTCGGCCGGNNN-----N
                                                                                                                                                                GGCC1TAAGCCGGGTCGGCCGGNN1----N
                                                                                                                                                                                                                                                           GCCTTAAGCCGGGTCGGCCGGNNN----N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / DPL2+DPL3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                +v318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DPL11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cln
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cln
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ser
                                                                                                                                                                                                                                                                                                                                                                                              NNN -----CCT
                                                                                                                                                                                                                                                                                                                                                  All kappa genes:
                                                                                                                                                                                                                                                                                                                                                                                                                                         (except VK L20)
                                                                                                                                                                                                                                                                                                                                                                                                                        CCNNN-----C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lambda 1 genes:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lambda 3 genes:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lambda 3 gene:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lambda 2 gene:
```

10 20	30		
1234567890 1234567890	1234567890	1234567890 1234567890 1234567890	
COTTAGOOG CCATGGCCCA	GETGCAGCTG	GIGGAGICIG GGGGAGGCIT GGIAAAGCCI	60
0	V O L	V E S G G G L V K P	
-	• •		
	ريدولاندليدين	TOTOCALITCA CTITCAGIAA COCCTOGATG	120
GISTALICIC TIMEALICIC	CIGIGARC	S G F T F S N A W M	
G G S L R L S	CAA	SGFIFSNAWN	
			100
AGCTGGGTCC GCCAGGCTCC	AGGGAAGGGG	CIGGAGIGGG TIGGCCGIAT TAAAAGCAAA	180
S W V R Q A P	G K G	LEWV GRI KSK	
ACTIGATICATE GEACAACAGA	CTACGCTGCA	CCCGTGAAAG CCAGATTCAC CATCTCAAGA	240
T D C G T T D	V A A	P V K G R F T I S R	
	1 11 11		
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ATGAACAGCC TGAAAAACCGA GGACACAGCC	300
GATGATTCAA AAAALALGCI	. GIAICIGLAA	AIGHANCE TOWARDOON CONTRACTOR	300
D D S K N T L	Y L Q	M N S L K T E D T A	
		GCCCACCGIG GGATGIGGGG TCAAGGAACT	360
V Y Y C T T V	ALS	ADRG MWG QGT	
مستستمرين شيبرسيكون	التككيت	TCAGGOGGAG GTGGCTCTGG CGGTGGCGGA	420
T W T W S S S S	CCC	S G G G S G G G	
L V T V S S G	G G G		
·			480
TOOGATGITG TGATGACTCA	GICICCACIC	TCCCTGCCG TCACCCTTGG ACAGCCGCCC	400
S D V V M T Q	S P L	S L P V T L G Q P A	
	•		
TOCATOTOCT GCAGGICTAG	TCAAAGCCTC	GTATACAGTG ATGGAAACAC CTACTTGAAT	540
S I S C R S S	O S L	V Y S D G N T Y L N	
	~		
manneyer sesentae	ב רבאחריתרא	AGGCGCCTAA TITATAAGGT TICIAACCGG	600
		R R L I Y K V S N R	000
W F Q Q R P G	QSP	R R L I I R V S N R	
			660
		AGIGGGICAG GCACIGATIT CACACIGAAA	660
D S G V P D R	F S G	SGSGTDFTLK	
ATCAGCAGGG TGGAGGCTG	A GGATGTTGGG	GITTATTACT GCATGCAAGG TACACACTGG	720
		V Y Y C M Q G T H W	
	<i>5</i>		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		CACAMCAAAC COOCCC	767
CCITACACIT TIGGCCAGG			707
P Y T F G Q G	TKL	EIK	

10 20 30 40 50	60 .	
10 20 30 40 50 1234567890 1234567890 1234567890 1234567890 12345		
CCCCACCCC CCATGCCCCA CATGCACTC GTGCAGTCTG GCCCAGCCTT GGTAA	ACCCT 60	
O M Q L V E S G G G L V K	P	
GEOGRAFICO TRACACTORO CIGNOCASCO TOTACAMINOA CINTOCAGNAA COCCTA	GGATG 120	
G G S L R L S C A A S G F T F S N A W	М	
ACCIGGGICC GCCAGGCICC AGGGAAGGGG CIGGAGIGGG TIGGCCGIAT TAAAA	CAAA 180	
S W V R Q A P G K G L E W V G R I K S	K 100	
SWVRQAFGRG 22 C to 2 to 2	••	
ACTIGATIGGIG GGACAACAGA CTIACGCTGCA CCCGTGAAAG GCAGATTCAC CATCT	CAAGA 240	
T D G G T T D Y A A P V K G R F T I S	R	
GATGATTCAA AAAACACOCT GTATCTGCAA ATGAACAGCC TGAAAACCGA GGACA	CAGCC 300	
D D S K N T L Y L Q M N S L K T E D T	A	
	~~~	
GIGIATIACT GIACCACATG GGGCTCCGTC GACACGGACA ACTACOCCAG GITTIN		
V Y Y C T T W G S V D T D N Y A R F W	G	
CAAGGAACTC TGGTCACGGT CTCCTCAGGT GGAGGGGGTT CAGGGGAGG TGGCT	CTGGC 420	
Q G T L V T V S S G G G G S G G G S	G	
GGTGGCGGAT CCGACATCCA GATGACCCAG TCTCCATCCT CCCTGTCTGC ATCTG		
GGGSDIQMTQSPSSLSASV	G	
CACAGAGICA CCATCACTIG CCGGGGGAGT CAGGGCATTA GCAATTATTT AGCCI		
DRVT ITC RAS QGIS NYL AW	Y	
CASCAGAAAC CASSGAAAGT TOOTAASCTO CTGATCTATG CTGCATCCAC TTTGC	AATCA 600	
Q Q K P G K V P K L L I Y A A S T L Q		
GEGGTCCCAT CTCGGTTCAG TGGCAGTGGA TCTGGGACAG ATTTCACTCT CACCA	TCAGC 660	
GVPSRFSGSGSGTDFTLTI	S	
AGCCTGCAGC CTGAAGATGT TGCAACTTAT TACTGTCAAA AGTATAACAG TGCCC		
S L Q P E D V A T Y Y C Q K Y N S A P	L	
ACTITICISTS GAGRACIAN GERGAGATE ANACTISTS C 761		
ACTITICOSCO GASCOACCAA OCTOCACATC AAAGCOSCOCG C T F G G G T K V E I K	701	
I - G G I R V E I R		

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10 20 30 40 5 1234567890 1234567890 1234567890 123456789	-
1234567890 123456780 123456780 1234567890 123456780 1234	T GTAAACCT 60
O M Q L V E S G G G L	VKP
Q M Q H V L S G G G Z	
COCCOTICC TIAGACICIC CIGIGCACCC TCICCATICA CITICAGIA	A COCCTOGATG 120
G G S L R L S C A A S G F T F S N	A W M
G G S L R L S C R R S G I I I I I	
ACCTEGGTOC COCAGGCTOC AGGGAAGGGG CTGGAGTGGG TTGGCCGTA	T TAAAAGCAAA 180
SWVRQAPGKGLEWVGRI	кѕк
ACTGATGGTG GGACAACAGA CTACGCTGCA CCCGTGAAAG GCAGATTCA	C CATCTCAAGA 240
T D G G T T D Y A A P V K G R F T	ISR
CATCATTCAA AAAACACGCT GTATCTGCAA ATGAACAGCC TGAAAAACCG	A GGACACAGCC 300
D D S K N T L Y L Q M N S L K T E	DTA
GIGTATTACT GTACCACACC GGGCTGGTAT GGGGCCGAGG ATAAGTGGG	G TCAAGGAACT 360
V Y Y C T T P G W Y G A E D K W G	QGT
CTGGTCACG TCTCCTCAGG TGGAGGCGGT TCAGGCGGAG GTGGCTCTG	
LVTVSSGGGGGGGGG	GGG
TOCCACATOC ACATGACCCA GICTOCATOC TOCCIGICIG CATCIGIAG	
SDIQ M T Q S P S S L S A S V G	DRV
	A TCACCAGAAA 540
ACCATCACTT GCCGGGGGG TCAGGGCATT AGCAATTATT TAGCCTGGT	
TITC RAS QGI SNYL AWY	QQK
CCAGGGAAAG TTCCTAAGCT CCTGATCTAT GCTGCATCCA CTTTGCAAI	r agggreen 600
PGKVPKLLIYAASTLQS	
PGKV PKL LII AASI LQS	
TOTOGGITCA GIGGCAGIGG ATOTOGGACA GATTICACIO TCACCATCA	G CACCOTICAG 660
S R F S G S G S G T D F T L T I S	2 2200.02
CCTGAAGATG TIGCAACTTA TIACTGTCAA AAGTATAACA GTGCCCCTT	r cacrificage 720
PEDVATY YCQ KYNS APF	
CCTGGGACCA AAGTGGATAT CAAAGCGGCC GC	752
P G T K V D I K	

10 20	30	40			
1234567890	1234567890	1234567890	1234567890	1234567890	-
CONTRACTOR CONTRACTOR	GGTGCAGCTG	GIGGAGICIG	GGGGAGGCIT	GSTALAGECT	60
Q	V Q L	V E S G	G G L	V Q P	
GEREATUR TRAGACTOR	CIGIGCAGCC	TCTGGALICA	CCTTCAGTAA	CAGTGACATG	120
G G S L R L S	CAA	SGFT	F S N	S D M	
AACTGGGTCC ATCAGGCTCC	AGGAAAGGGG	CIGGAGIGGG	TATCGGGIGI	TAGITGGAAT	180
N W V H Q A P	G K G	LEWV	S G V	s w n	
					242
GGCAGTAGGA CGCACTATGC	AGACTOTOTO	AAGGGCCGAT	TCATCATCTC	CAGAGACAAT	240
G S R T H Y A	D S V	KGRF	I I S	R D N	
					200
TCCAGGAACA CCCTGTATCT	CCAAACGAAI	' AGCCTGAGGG	CCGAGGACAC	GCTGTGTAT	300
S R N T L Y L	QTN	SLRA	EDT	A V Y	
					2.50
TACTGTGTGA GAACCGATGG	CGAGTGGTAC	: ccccciccc	GTCAAGGAAC	TCTGGTCACC	360
Y C V R T D G	E W Y	G A W G	QGT	LVT	
GICTCCTCAG GIGGAGGCG	TICAGGGGGA	GERGECICIE	COCCIO	ATCCGCCATC	420
V S S G G G G	S G G	G G S G	GGG	SAI	
CAGATGACCC AGTCTCCATC	: CTCCCTGTCI	CCATCIGIAG	GAGACAGAGT	CACCATCACT	480
Q M T Q S P S	S L S	A S V G	DRV	TIT	
TGCCGGGCAA GTCAGGGCAT	TAGAAATGAI	TTAGGCTGGT	' ATCAGCAGAA	ACCAGGGAAA	540
C R A S Q G I	R N D	L G W Y	. O O K	PGK	
GCCCCTAAGC TCCGGATCTA	TGCTGCATCO	AGITTACAAA	GIGGGGICCC	ATCAAGGTTC	600
APKL RIY	A A S	SLQS	GVP	SRF	
		•			
ACCECACIE GATCIESCAC					660
S G S G S G T	D F T	LTIS	SLQ	PED	
TTTGCAACTT ATTACTGTC					720
F A T Y Y C L	Q D Y	N Y P I	TFG	GGT	
AAGGTGGAGA TCAAAGCGG	c ccc ′				743
K V E I K					

10 20 30 40 50	60
1234567890 1234567890 1234567890 1234567890 1234567890 123	<u>4567890</u>
GYCCAGOOG CCATGGOCCA CATGCAGOTG GTGCAGTCTG GGGGAGGCTT GGT	ACAGCCT 60
Q M Q L V Q S G G G L V	Q P
-	
GEOGRAPICO TOAGACTOTO CIGIGOAGOO TOTOGATICA COTTOAGIAG CTA	IGCIAIG 120
G G S L R L S C A G S G F T F S S Y	A M
CACTEGGTTC GCCAGGCTCC AGGAAAAGGT CTGGAGTGGG TATCAGCTAT TGG	TACTEGT 180
	ТG
GGTGGCACAT ACTATGCAGA CTCCGTGAAG GGCGGATTCA CCATCTCCAG AGA	CAATGCC 240
G G T Y Y A D S V K G R F T I S R D	N A
AAGAACTOOT TGTATOTTCA AATGAACAGO CTGAGAGCGG AGGACATGGO TGT	GTATTAC 300
KNSLYLQMNSLRAEDMAV	Y Y
KNSL I L Q M N S L K A L D II II V	• •
TGTGCAAGAT GGGGGCACGT CGGCTTGTGG GTTGCGGACG TCTATTGGGG TCA	AGGAACT 360
C A R W G H V G L W V A D V Y W G Q	G T
CARWGRVGLWVADVIWGQ	G 1
CIGGICACCG TCTCCTCAGG TGGACGCGGT TCAGGCGGAG GTGGCTCTGG CGG	TGGGGGA 420
L V T V S S G G G G S G G G S G G	
	9 9
TOOGACATOC AGATGACOCA GTOTOCATOC TOOCTGTOTG CATCTGTAGG AGA	CAGAGTC 480
S D I Q M T Q S P S S L S A S V G D	R V
TO STATE OF THE ST	GCAGAAA 540
ACCATCACIT COOCCCCAG TCACCCCATT ACCANTIATT TACCCTCGIA TCA	
TITCRASQGISNYLAWYQ	QK
colocolina maceninacem companiem com	EGGTCCCA 600
CCAGGGAAAG TTCCTAAGCT CCTGATCTAT GCTGCATCCA CTTTGCAATC AGG	
PGKVPKLLIY AAST LQS G	V P
	·~~~~~ <i>((</i> 0
TOTOGGTTCA GTGGCAGTGG ATCTGGGACA GATTTCACTC TCACCATCAG CAG	
SRFSGSG SGT DFTL TIS S	L Q
CCTGAAGATG TTGCAACTTA TTACTGTCAA AAGTATAACA GTGCCCCTTA CAC	
PEDVATY YCQ KYNS APY T	F G
CAGGGGACCA AGCTGGAGAT CAAAAGCGGCC GC	752
QGTKLEIK	

10	20	30	40	50		
		000 13345	567890	1234567890	1234567890	
COTACOTO C	ATTRICAC GATRICAG	CIG GIGC	AGICIG	GGGGAGGCI.I.	GGIACAGCCI	60
GCCASCOS CC	0 M O	L V Q	S G	G G L	V Q P	Ţ.
	_					
יבריניביביבי	AGACTOTO CTGTGCA	GGC TCTG	GAITCA	CCTTCAGTAG	CTATGCTAIG	120
	R L S C A	G S G	F T	F S S	Y A M	
י ע כ ט ט						
cacrossing CC	CAGGCTCC AGGAAAA	ന്ദ്ര നാദ്ദ	AGTGGG	TATCAGCTAT	TGGTACTGGT	180
CACIGAGIIC GO	Q A P G K	G I E	wv	SAI	GTG	
H W V R	Q A F G K		,,			
	TATGCAGA CTCCGTG	220 0303	באדורב	CCATCTCCAG	AGACAATGCC	240
Gilga Alai Al	Y A D S V	v c p	E T	TSR	DNA	
GGTY	YADSV	K G K		1 5	2 .,	
		, c. c.	تككري	ACCEACATION:	TETTETTATTAC	300
AAGAACICCI IG	TATCITCA AAIGAAC	محالات بغلام	200	D M J	W V V	200
K N S L	Y L Q M N	SLR	AL	DMA	V 1 1	
				CTC A ACC A ACC	سرسرسره الم	360
TGTGCAAGAG AG	OCCUPATION TO SECOND	ACC TCCT	عنالاال	GICAAGAAL	ICIGGICALC	200
CARE	G E L G V	T S F	WG	QGT	ГАТ	
					**************************************	420
GICICCICAG GI	GGAGGCGG TTCAGGC	CCA CCTC	GCICIG	aggiaga.	AICUACAIC	420
V S S G	G G G S G	G G G	S G	GGG	SDI	
						400
CAGATGACCC AG	TOTOCATO CTOCCIO	TCT GCAI	CTGTAG	GAGACAGAGI	CACCATCACT	480
QMTQ	S P S S L	S A S	V G	D R V	TIT	
						540
TOCCOGGGGA GI	CAGGGCAT TAGCAAD	TAT TTAS	CCIGGI	ATCAGCAGAA	ACCAGGGAAA	540
CRAS	Q G I S N	Y L A	W Y	δ δ κ	PGK	
GTTCCTAAGC TC	CIGATOTA TOCTOCI	ACCI ACITI	TGCAAT	CAGGGGTCCC	ATCTCGGTTC	600
V P K L	LIYAA	STL	, Q s	G V P	SRF	
						,
AGTGGCAGTG GA	ATCTOGGAC AGATTTY	CACT CTCA	ACCATCA	GCAGCCTGCA	CCCTGAAGAT	660
	S G T D F					
GITGCAACIT AI	TEACTGICA AAAGIA	TAAC AGTO	CCCTT	CCACGTTCCC	CCAAGGGACC	720
VATY	Y C Q K Y	N S A	A P W	TFG	QGT	
, .		•			-	
ىن ووجىتىلتكوو	CAAAGCGGC CGC -					743
K V E I						
•	• •					

FIGURE 40

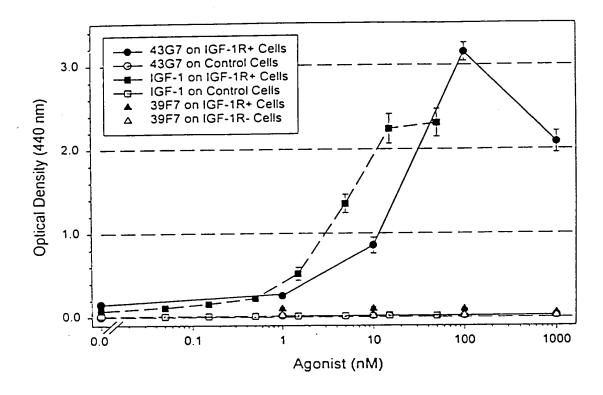


FIGURE 41

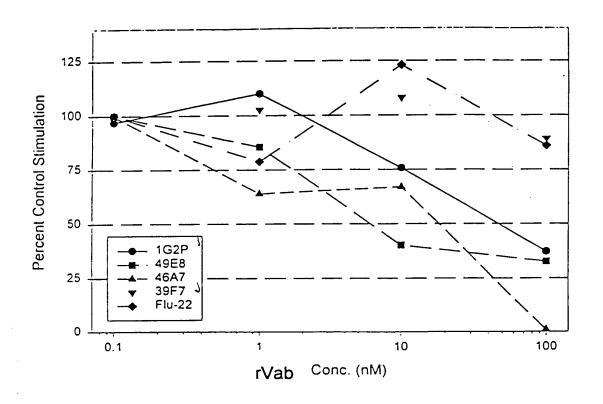


FIGURE 42

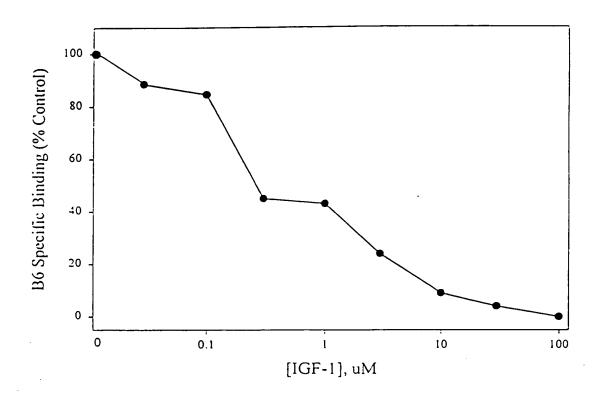


FIGURE 43

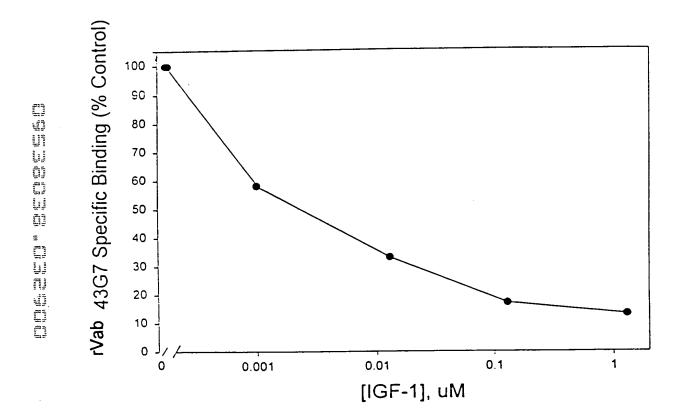


FIGURE 44

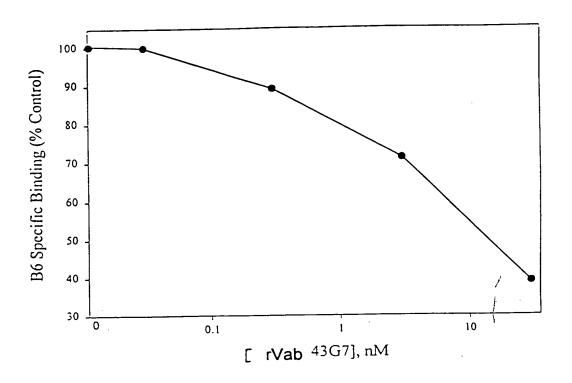
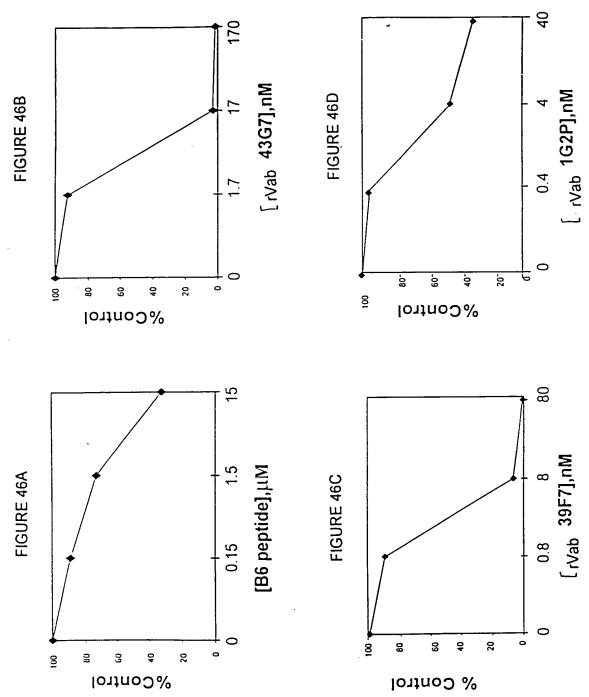


FIGURE 45



¥ + + + + + [‡] + + [‡] + + + [÷] + + + + + + + + + + + + + + + + + + +			-	Target	ct ICE
IGGGGUADGNEYDWEVEALA	1. Exemple 4 Motif		Found	¥	5
VEWNCRSQUDEYEWEEQAA	I. rollinia i Moui	IGGOGOHODGNEYDWEVEALA	18	+	+ + + +
RGGGTEYEWEESALRKHGAG RVAGAISAPGLVSNKQDGLEYSWERE VLQARHGCDSVSDCEYEWEA VLQARHGCDSVSDCEYEWEA VLQARHGCDSVSDCEYEWEA ULQARHGCDSVSDCEYEWEA DIGSDGHGRRWDSEYEWERANG CHSWALLSVWDTGEYAWEDDAV GHSWALLVRHVDRLEYEWEDL LPAGGAQGFAVRGEYEWEES RDGTNETENSAGEYGWERR GARYNWERE RIGGGWARSEGFYEWFRH RIGGGWARSEGFYEWFRH RAFYEWENGAGGYELMG RIGGGWARSEGFYEWFVRL RIGGGWARSEGFYEWFVRL RIGGGWARSEGFYEWFVRL RIGGGWARSEGFYEWFVRL RIGGGWARSEGFYEWFVRL RAFYEWFSALVORGYELMG EYGWTESRYVVPQ LGTSAGGGVGHRAFYWWFO I + + + + + + + + + + + + + + + + + +		VFWNCRSOOLDEYEWEEQAA	16	+	+ + + +
RVAGAISAPGLVSNKQDGLFYSWERE RVAGAISAPGLVSNKQDGLFYSWERE VLQARHGCDSVSDCFYEWFA ULQARHGCDSVSDCFYEWFA DPERMQSDVGFYEWFRANG WSALLSVWDTGFYAWFDBAV CHSMALLSVWDTGFYAWFDBAV CHSMALLSVWDTGFYEWFEM CHSMALVRHVDRLFYEWFEM CHSMALVRHVDRLFYEWFEM CHSMALVRHVDRLFYEWFEM CHSMALVRHVDRLFYEWFEM CHSMALVRWFINDQV CHSMALVRWFINDQV CHSMALVRWFINDQV CHSMALVRWFINDQV THOMPTOGEQNWSFYEWFRE RIGGGWARSEGFYEWFYEEL RAMFYEWFWSQMGAGFTEGSA THOMPTOWOGNGRYINGSNEYWFID THOMHYVWVQDRDRYINGVRQWYISDRYNWFID THOMHYVWVQDRDRYINGVRQWYISDRYNWFID THOMHYVWVQDRDRYINGVRQWYISDRYNWFID THOMHYVWVQDRDRYINGVRQWYISDRYNWFID THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVMVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRQWYISDRYNWFILQ THOMHYVWVQDRDRYINGVRGWFILQ THOMHYVWVQDRDRYINGVRGWFILQ THOMHYVWVQDRDRYINGVRGWFILQ THOMHYVWVQDRDRYINGVRGWFILQ THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRDRYINGVRGWFILG THOMHYVWVQDRGWFILG THOMHYVWVQDRGWFILG THOMHYVWVQDRGWFILG THOMHYVWVQDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGDRGWFILG THOMHYVWVGGRGWFILG THOMHYVWVGGRGWFILG THOMHYVWVGGRGWFILG THOMHYVWYGGRGWFILG		RGGGTEYEWEESALRKHGAG	ထ	+	++++
VLQATRIIGCDSG_SDCFYEWFA		RVAGATSAPGLVSNKODGLEYSWERE	S	+	+++
### ### ##############################		VLOARHGCDSVSDCFYEWFA	4	+	++++
### ### ##############################		DPFRMOSDVGFYEWFRAAVG	ო	+	+ + +
DIGSDGHGRRWDSFYRWEEM IGGSFVEFYGWFNDQV GHSWALVRHVDRLFYEWFDL LPAGAQGFAVRGFYEWFES RDKPTDQEEQNWSFYEWFRH SRDQTNFTENSAGFYGWFER GAFYRWFHEALVGSERVPDV IGGGWARSEGFYEWFRL RMFYEWFWSQUGAGPTEGSA HEAFYDWFSALVOGGYELMG FYGWFSRQLSLTPRDDWGLP GVGTLTMSSDAFYTWFV LGTSAGQGVGHRAFYGWFQS IRDMHYVWVQDRDRYINGVRQWYISDRYNWFRS IRDMHYVWVQDRDRYINGVRQWYISDRYNWFRLD IRDMHYVWVQDRDRYINGVRQWYISDRYNWFRLD IRDMHYVWVQDRDRYINGVRQWYISDRYNWFRLD 1 + + + + + + + + + + + + + + + + + +		WSALLSVMDTGFYAWFDDAV	2	+	++++
IGGSFVEFYGWENDQV		DICCOCHGREMDSFYRWEEM	7	+	+++
CHSMALVRHVDRLFYEWEDL		IGGSFVEFYGWFNDQV	7	+	+ + +
LPAGGAQGFAVRGEYEWEES		GHSWALVRHVDRLFYEWFDL	-	+	+ + +
## RDKPTDQEEQNWSFYEWFRH SRDQTNFTENSAGFYGWFER GAFYRWFHEALVGSERVPDV RIGGGWARSEGFYEWFVREL RMFYEWFWSALVDGGYELMG HEAFYDWFSALVDGGYELMG FYGWFSRQLSLTPRDDWGLP GVGTLTMSSDAFYTWFV LGTSAGQGVGHRAFYQWFQS I P PROMITYWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID IRDMHYVWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID 1		1.PAGGAOGFAVRGFYEWFES	-	+	+ + +
SRDQTNFTFNSAGFYGWFER	•	RDKPTDOEEONWSFYEWFRII	-	+	+ + +
### GAFYNWFHEALVGSERVPDV 1 + RIGGGWARSEGFYEWFVREL		SRIOTNETENSAGETGWEER	1	+	+++
RIGGGWARSEGFYEWFUREL RMFYEWFWSQMGAGPTEGSA HEAFYDWFSALVDGGYELMG FYGWFSRQLSLTPRDDWGLP GVGTLTMSSDAFYTWFV LGTSAGQGVGHRAFYQWFQS I THESHYVVPQAALDRLFYSWFS IRDMHYVWVQNRDRYINGVRQWYISDRYNPGSAFYRWFID IRDMHYVWVQNRDRYINGVRQWYISDRYNPGSAFYRWFID 1 + + + + + + + + + + + + + + + + + +		GANTAMENEALVGSERVPDV	1	÷	+ + +
RMFYEWFWSQMGAGPTEGSA 1 + HEAFYDWFSALVDGGYELMG 1 + FYGWFSRQLSLTPRDDWGLP 1 + GVGTLTMSSDAFYTWFV 1 + LGTSAGQGVGHRAFYQWFQS 1 + LGTSAGQGVGHRAFYWFQS 3 + IRDMHYVWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID 2 + ILQALAHYRKSAGFIFLSSGSVIKGSEGDPFYAWFRLQ 1 +		RICCGWARSEGEYEWEVREL	-	+	‡
HEAFYDWFSALVDGGYELMG FYGWFSRQLSLTPRDDWGLP GVGTLTMSSDAFYTWFV LGTSAGQGVGHRAFYQWFQS 1 + LGTSAGQGVGHRAFYQWFQS 1 + 1 CTLESHYVVPQ 1 CTLESHYVPQ 1		RMEYEWEWSOMGAGPTEGSA	-	+	‡
EYGWESRQLSLTPRDDWGLP 1 + GVGTLTMSSDAEYTWEV 1 + LGTSAGQGVGHRAFYQWEQS 1 + LGTLESHYVVPQAALDRLEYSWES 3 + IRDMHYVWVQORDRYINGVRQWYISDRYNPGSAFYRWEID 2 + ILQALAHYRKSAGFIFLSSGSVIKGSEGDPFYAWFRLQ 1 +		HEAFYDWFSALVDGGYELMG	-	+	‡
GVGTLTMSSDAFYTWFV LGTSAGQGVGHRAFYQWFQS 1 + LGTSAGQGVGHRAFYQWFQS 3 + TRDMHYVWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID 1.QALAHYRKSAGFIFLSSGSVIKGSEGDPFYAWFRLQ		FYGWESPOLSLTPRDDWGLP	-	+	+
ETLESHYVVFQAALDRLEYQWFQS IRDMHYVWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID 1 + 2 + 2 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4		VEWTYROSSMETHOUS	-	+	+
ETLESHYVVPQAALDRLEYSWES IRDMHYVWVQDRDRYINGVRQWYISDRYNPGSAFYRWFID LQALAHYRKSAGFIFLSSGSVIKGSEGDPFYAWFRLQ		SOUMON A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND A REPORT OF THE SOUND SOUND SOUND ASSESSMENT OF THE SOUND	-1	+	÷
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	I RDMHYWY RMGL,OALAHYRI	VQDIXDIXTINOVKZWIISOKINI OSKI ZAKELO KSAGFIFLSSGSVIKGSEGDPFYAWFRLO		+	‡

FIGURE 47

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EIEAEWGRVRCI,VYGRCVGG WIDDEWNWVOCEVYGRGCPS

DYKDEYDAIDQLVRGSARAGGTRD DYKURLFYCGIQALGANLGYSGCV DYKDDRAFYNGLRDLVGAVYGAWD DYKDFYSALWGLCGVTGCG RGOSDAFYSGLWALIGLSDG Group 3: Formula 2 Motif 20E2 DYKDEYDAT 20C11

WWWGGRNRWILERWGLGGER PFGFCGRWWGIPRMWYRNS Group 5: Miscellaneous Motif 10

WPGYLFFEEALQDWRGSTED CRVALMGPVWPRWWFMSRPV SMFVAGSDRWPGYGVLADWL VRGFQGGT'VWPGYEWLRNAA Group 4 and 6: Miscellaneous Motif 10 LGPLLRWGSEVCGVWPDLCE \ \ \ \ F2 F3

ACSSFFVKGPEGFLQCLGSI HI.CVI.EFLEWGASLFGYCSG 40D6 FERGRGIATAMQIAMRAFADWHFPHSLFWGAPPPLSG Group 7: Formula 4 Motif

Group 8: Non-Aligning Miscellaneous Sednences

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Target	\ IGF	++++	++++	++++	+	+ + +
Tar	R	+	+	+	+	+
ē	Found	1	-	1	1	7

118.11	IGF	++	+
7	ĸ	++	+
	Found	1	-1

rget	IR IGF	0	+	٠.	+	4.4.4
Tal	R	++	+	+	++	c
	Found	e		1	-	-

าระ	IGF	+	‡	0
בר	H.	+++	0	0
	Found	6	-	-

FIGURE 48

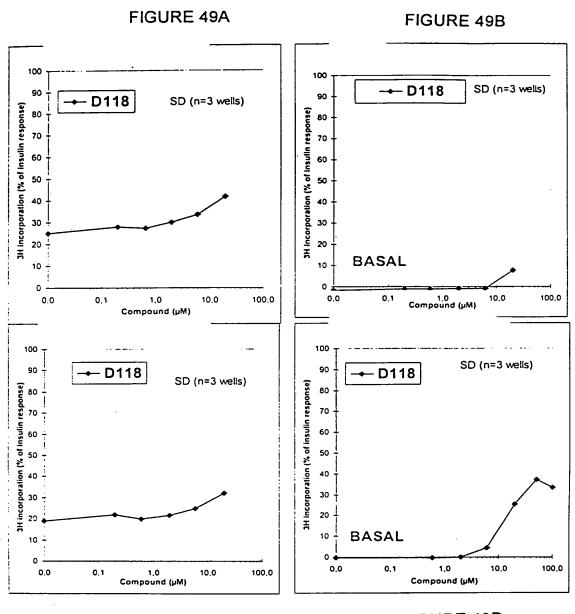
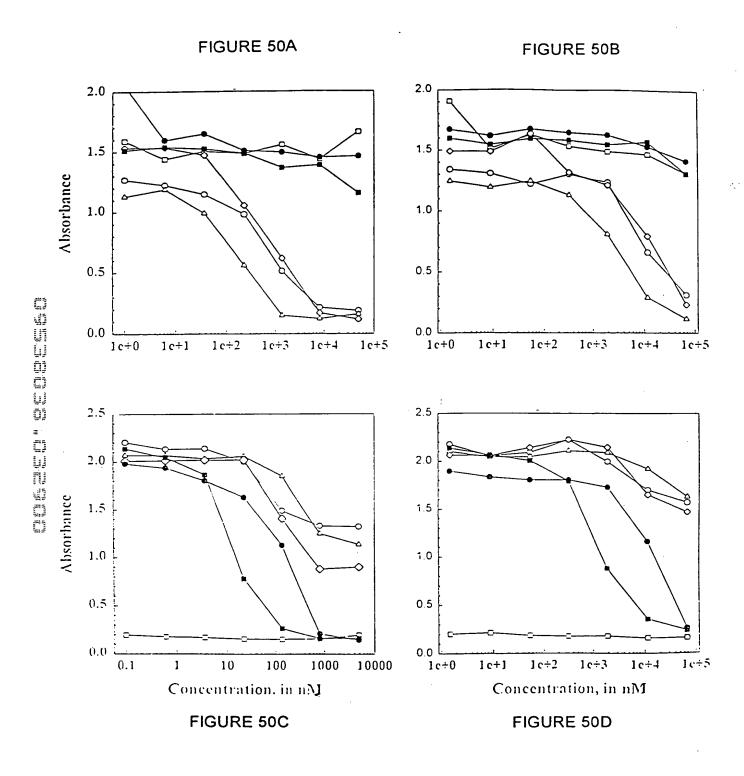
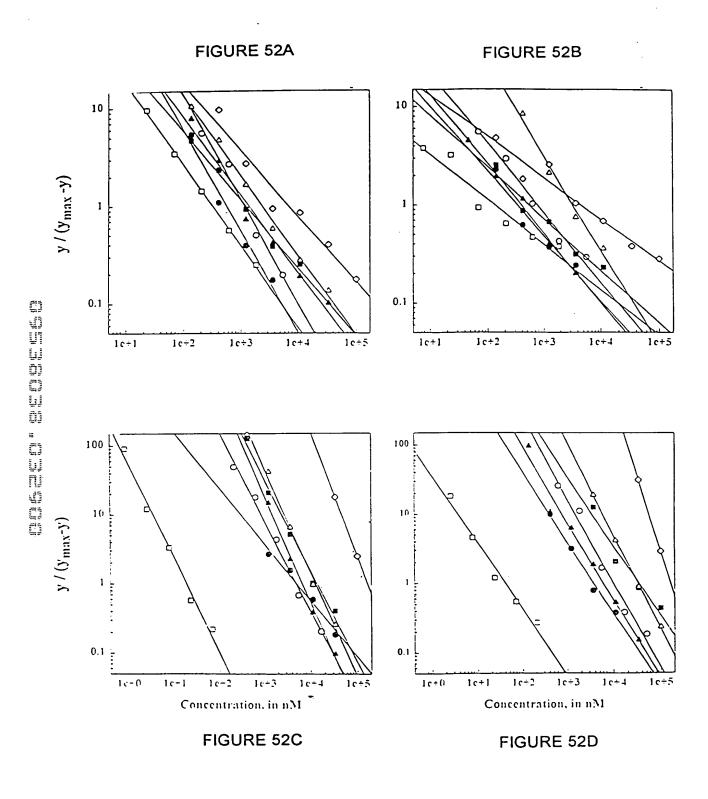


FIGURE 49C

FIGURE 49D





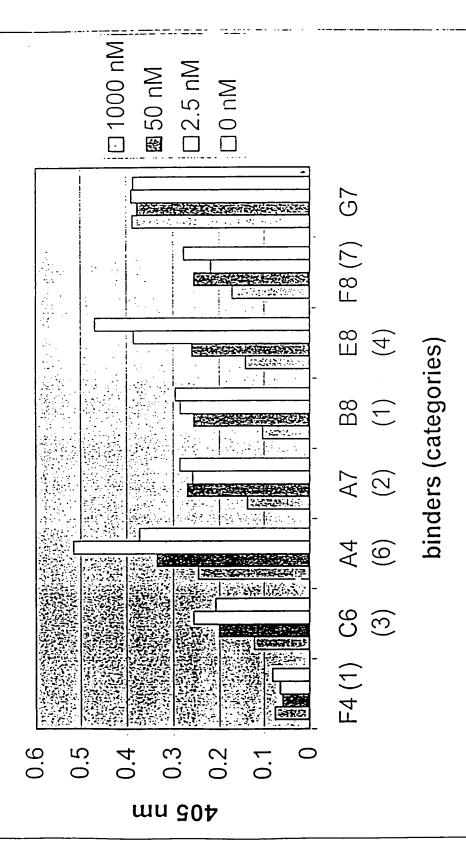


FIGURE 53

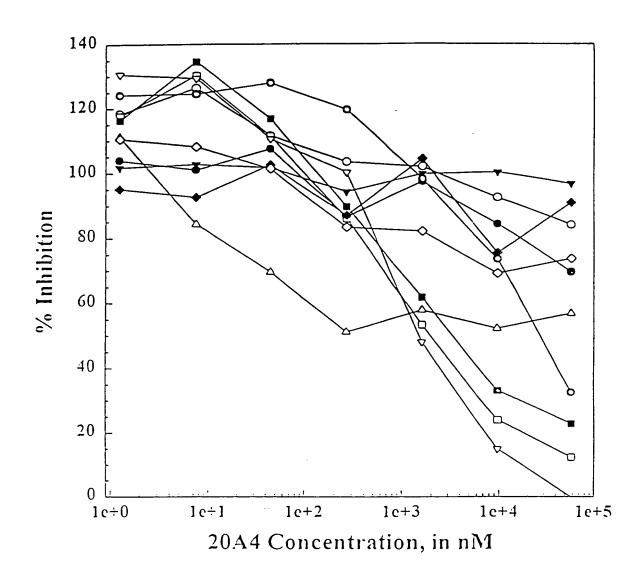


FIGURE 54

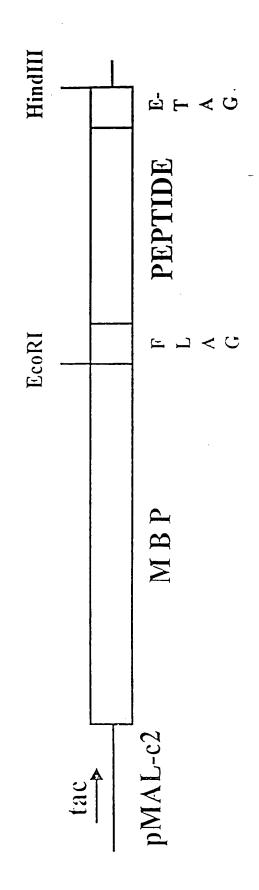
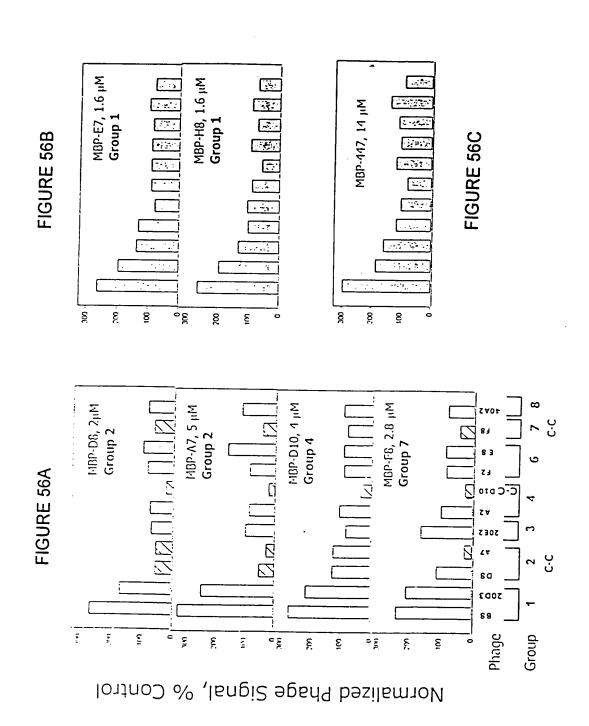
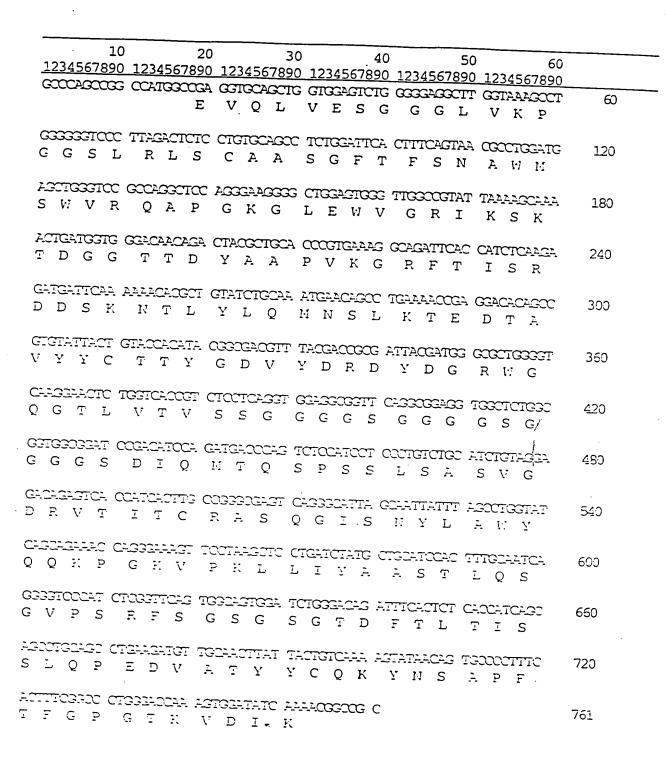


FIGURE 55

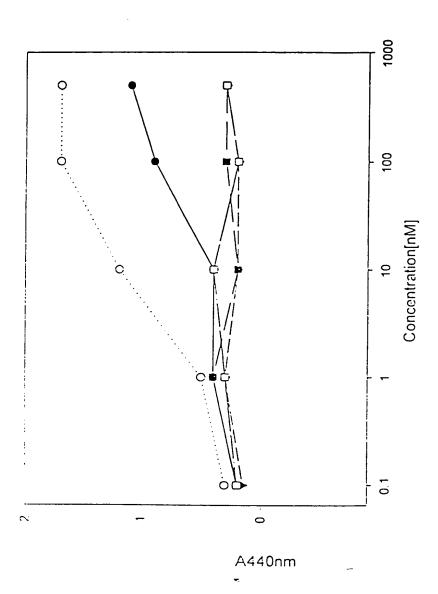


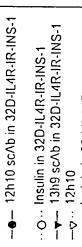


10	20	30	. 40	50 60	
				67890 1234567890	
GCCCATCCGG				GGCTT GGTAAAGCCT	60
	E	V Q L	L E S G G	G L V K P	
GGGGGTTCCC	TTAGACTOTO	CIGIGCASCC	TOTOGATICA CITTO	'AGTAA CGCCTGGATG	120
G G S L	R L S	C A A	SGFTF	S N A W M	
AGCTGGGTCC	COCAGGCTCC	AGGGAAGGGG	CTGGAGTGGG TTGGC	CGTAT TAAAACCAAA	180
S W V R	Q A P	G K G	L E W V G	RIKSK	
ACTGATGGTG	GGACAACAGA	CTACGCTGCA	CCCGTGAAAG GCAGA	TTCAC CATCTCALGA	240
T D G G	TTD	Y A A	P V K G R	FTISR	
			ATGHACAGOC TGHAA		300
DDSK	NTL	Y L Q	H N S L K	TEDTA	
			GGGGTCTTGG TGGTC		360
V Y Y C	тту	D . 1:7	GVLVV	WGQGT	
CTGGTCLCCG	TOTOCTCAGG	TGG=GGGGT	TCAGGGGAG GTGGG	TOTOS COGTOSCOSA	<u>42</u> 0
LVTV	S S G	G G G	S G G G S	S G G G	
TOOGLELTOC	AGTTGACCCA	GTCTCCATCC	TICCIGICIG CATCIO	STAGG AGACAGAGTC	480
SDIQ	ГŢQ	S P S	FLSAS'	V G D F V	
			AGCAGTTATT TAGCC		540
			SSYLAI		
			GOTGOLATOCA COTTO		600
P G H A	P K L	L I Y	AAST L (OSGVP	
			GÁTTTCACTO TCACO		660
SRFS	G S G	SGT	D'FTL T	ISSLÇ	
				CEPTITE CACTITECESC	720
PEDF	A T Y	ž. C Ö	Q L II S Y I	PFTFG	
CCTGGGLACCA	AAGTGGATAT	CHARGUGGGC	GOLGIIGO -		758
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CLONES VHCDR3 %Inhibition Activity

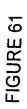
?	118:	PFFV	FY <u>RG</u> QDT	54%
Ang?	InsulB: 12H10:	FVNQH <u>LCG</u> SH <u>LVEAL</u> Y L <u>VCC</u> C VVYNYA C	EERG <u>F</u> FYTPK <u>T</u> FRG T	42%
?	13-e-4:	VQAMDGL G	F RES	52%
	13h9:	GGL G	F RRDWL	30%
·	24:	GGRR H	i RIG	
?	InsulinA 11a8:	ENYGN GIVEQCCTSICSLYQ LENYCN		32%
U/A		GDQELQNY		None

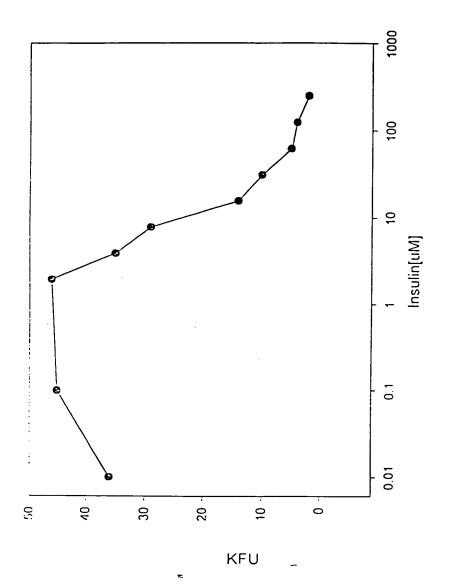


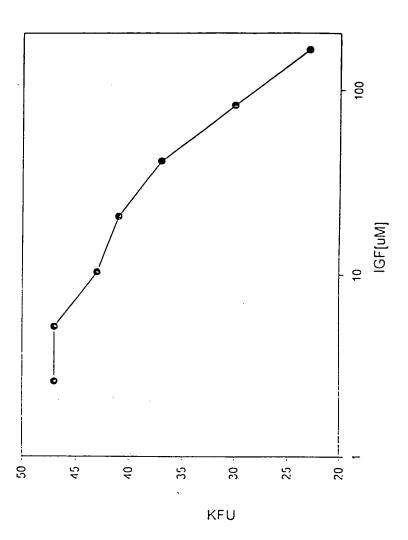


—⊽ ·· 1∠n 10 —■— Insluin in 32d-1L4-1R —; ·· 13h9

FIGURE 60







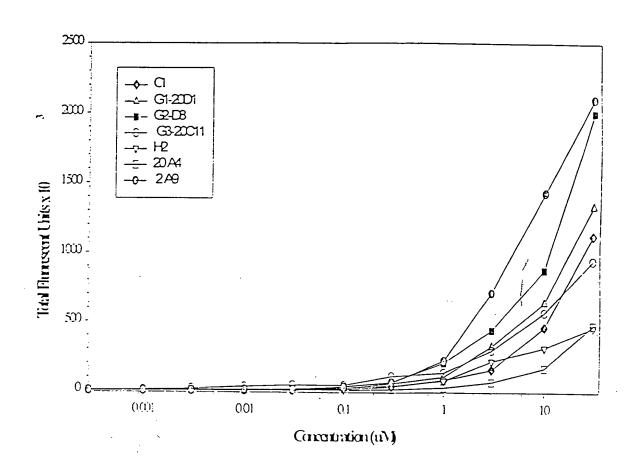


FIGURE 63

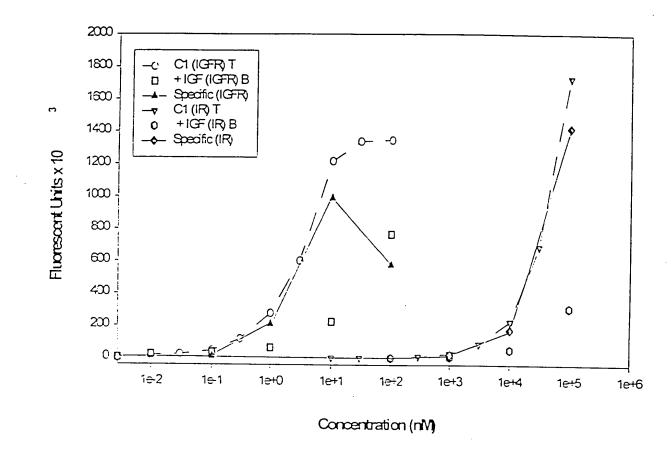


FIGURE 64

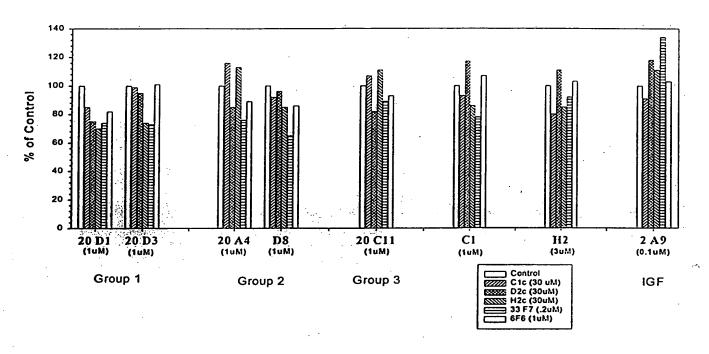


FIGURE 65

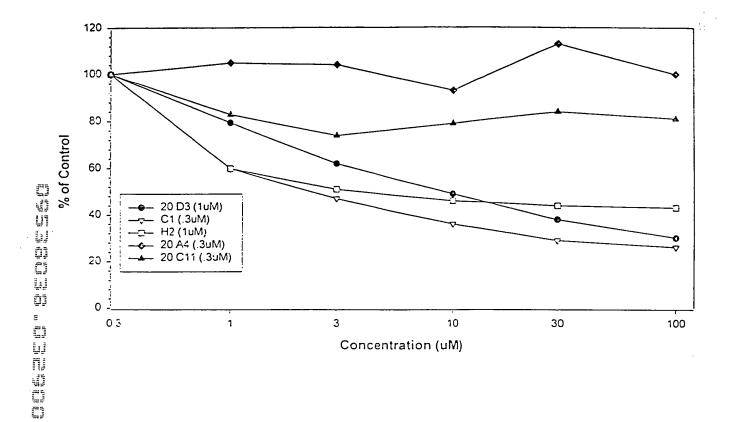


FIGURE 66

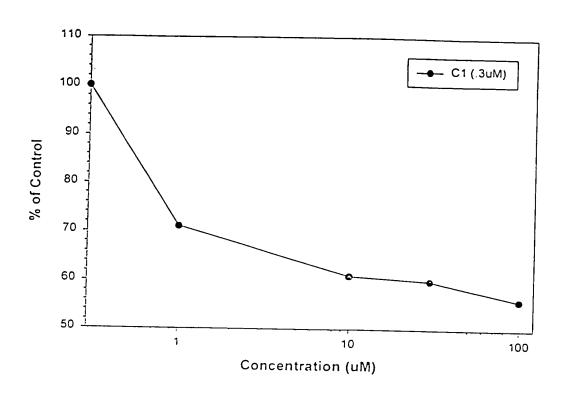


FIGURE 67



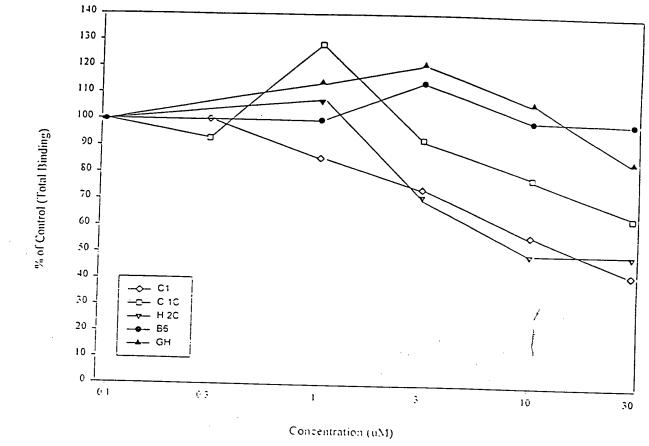


FIGURE 68

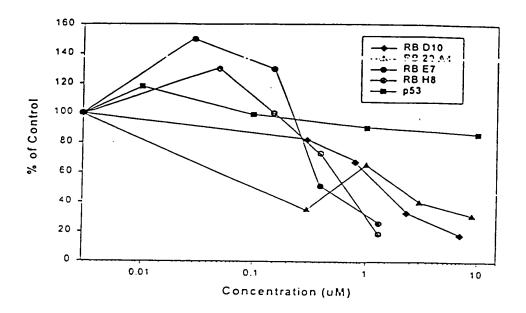
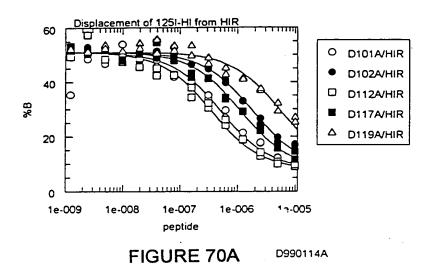
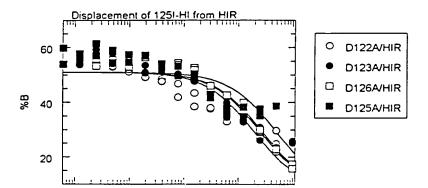


FIGURE 69

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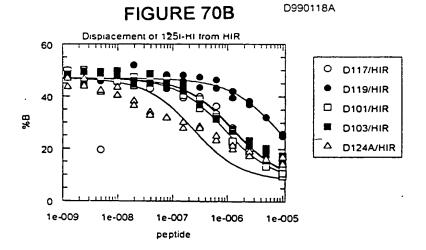


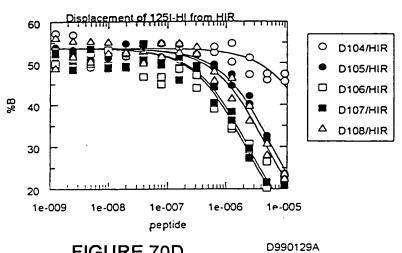
FIGURE 70C

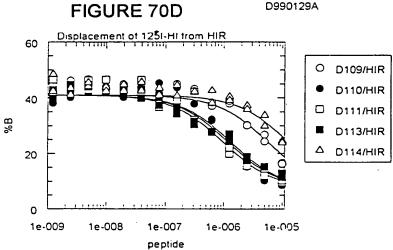
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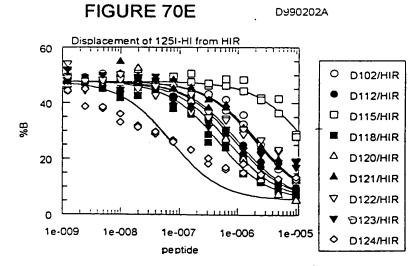
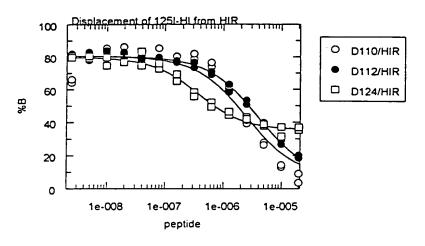
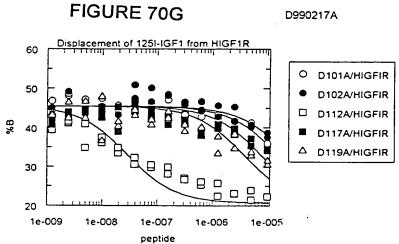
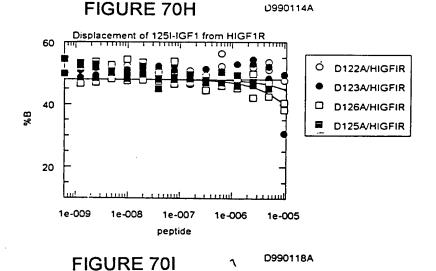


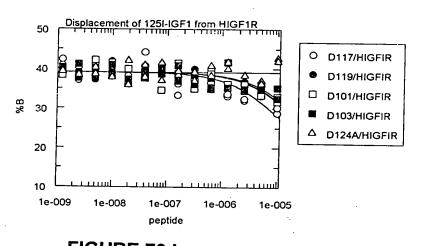
FIGURE 70F

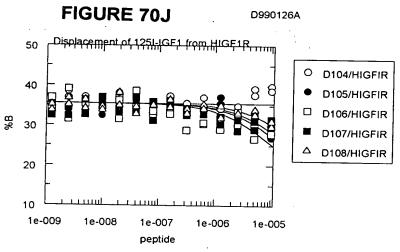
D990205A

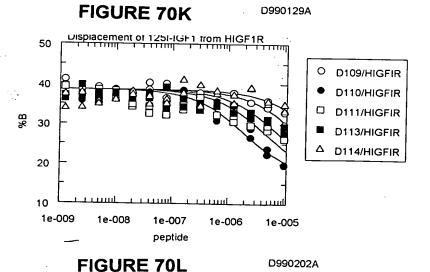












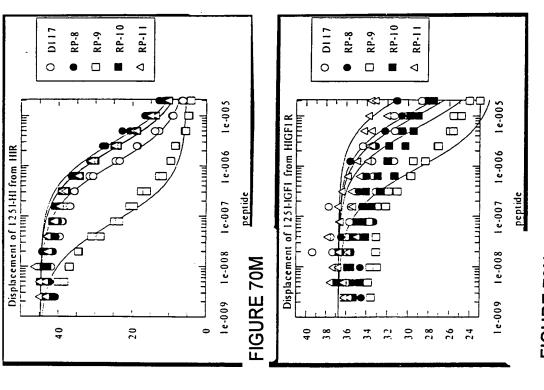


FIGURE 70N

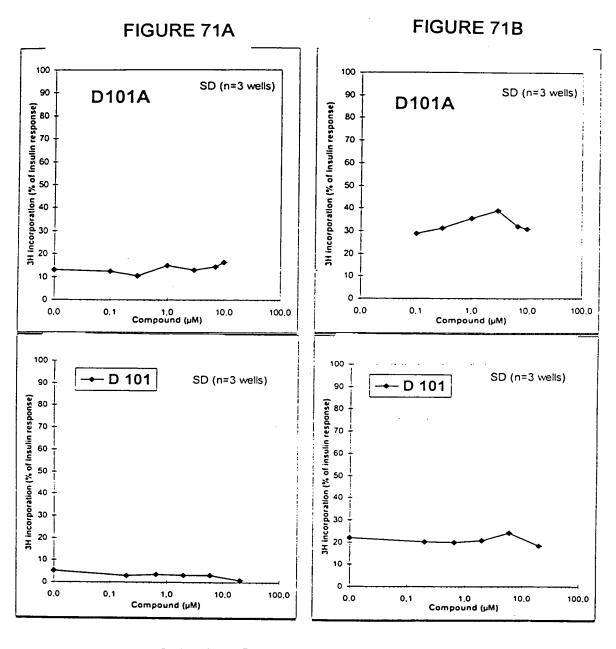
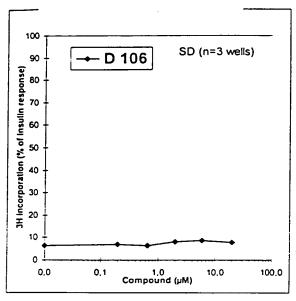


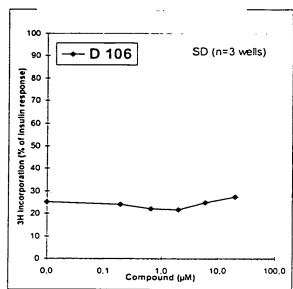
FIGURE 71C

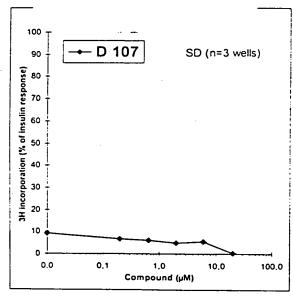
FIGURE 71D



FIGURE 71F







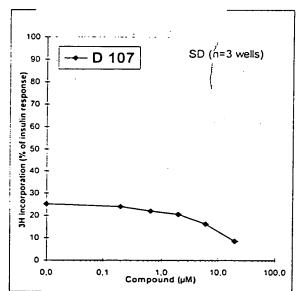


FIGURE 71G

FIGURE 71H

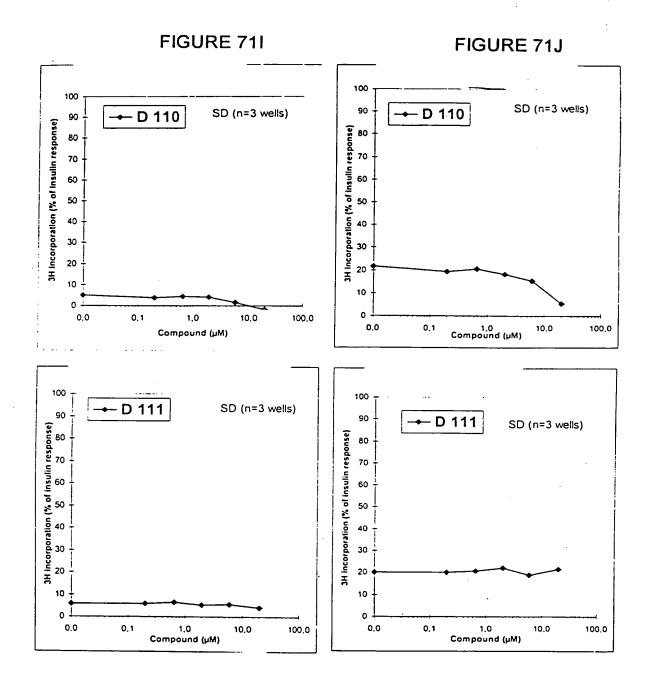


FIGURE 71K

FIGURE 71L

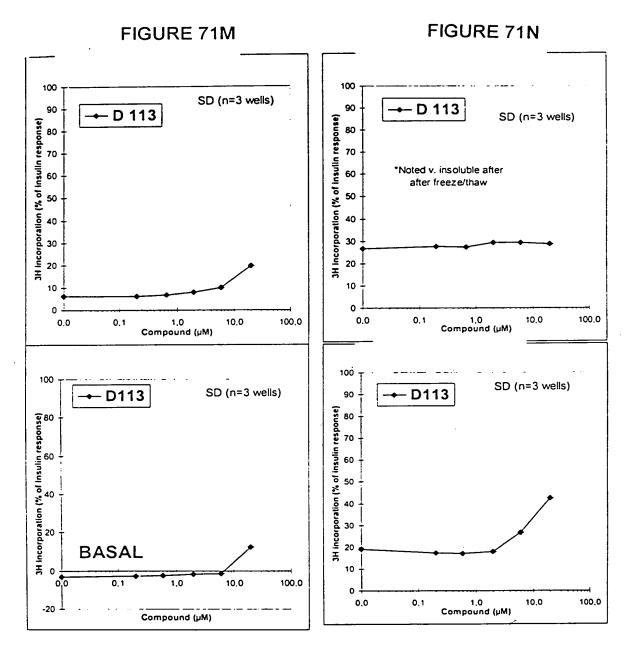


FIGURE 710

FIGURE 71P

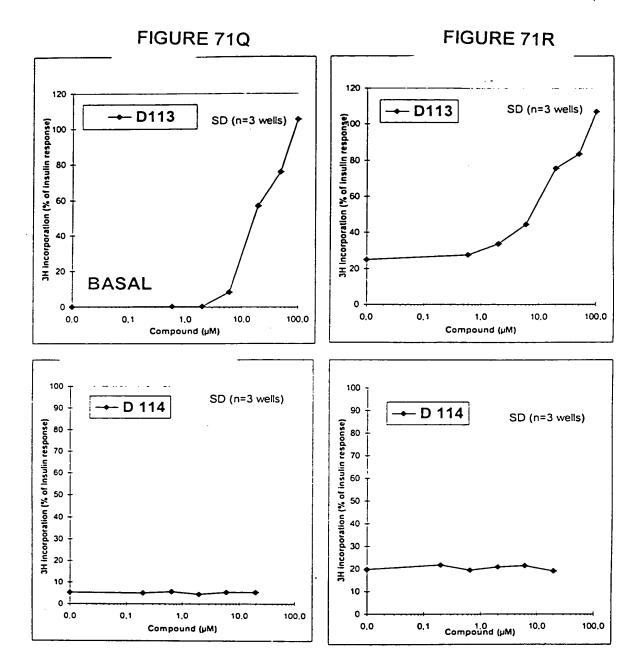


FIGURE 71S

FIGURE 71T



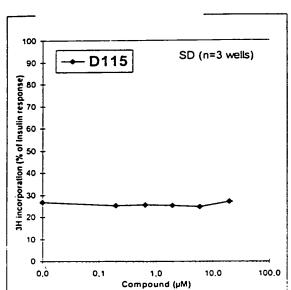
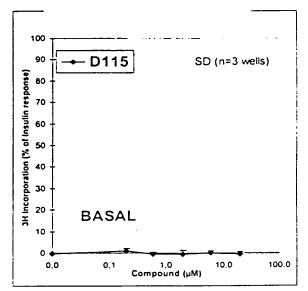
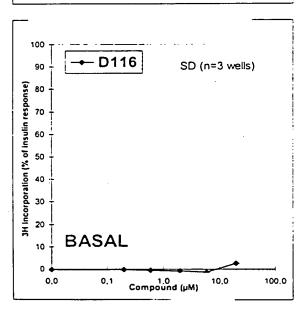


FIGURE 71V





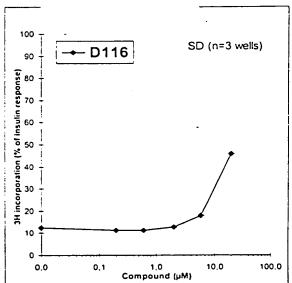


FIGURE 71W

FIGURE 71X

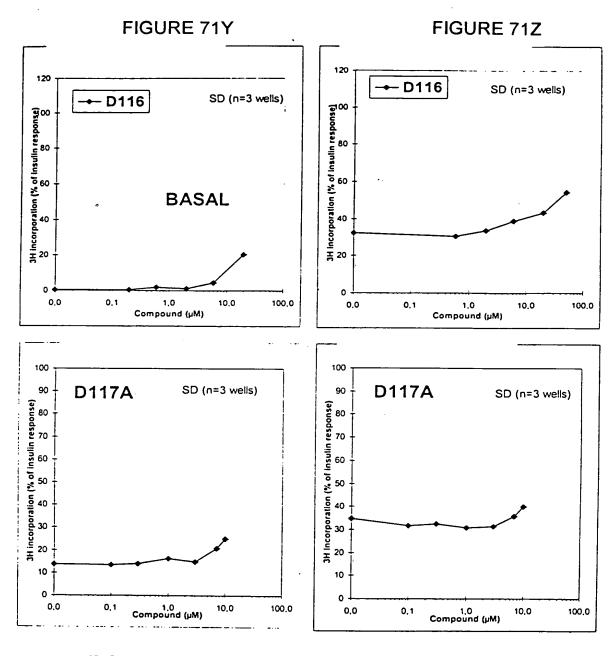


FIGURE 71A2

FIGURE 71B2

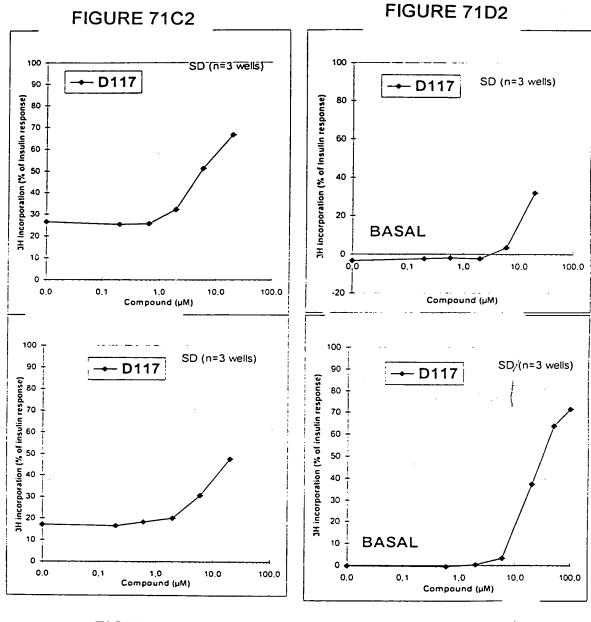
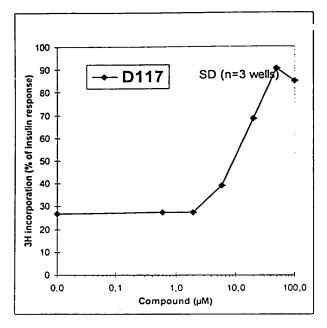
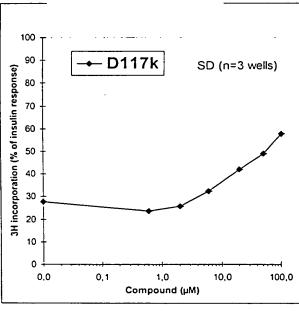


FIGURE 71E2

FIGURE 71F2

FIGURE 71G2





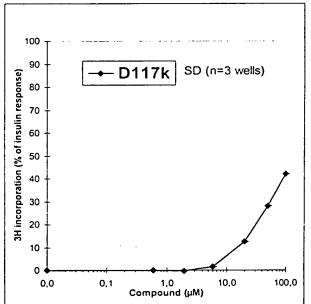
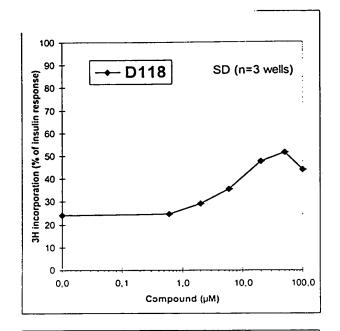


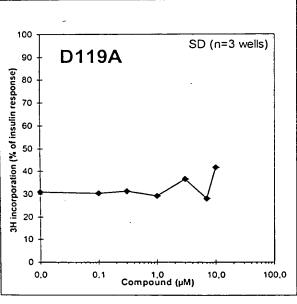
FIGURE 71H2

FIGURE 7112

;

FIGURE 71J2





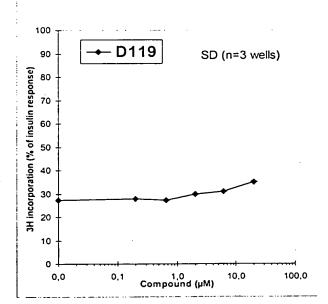


FIGURE 71K2

FIGURE 71L2

Ī

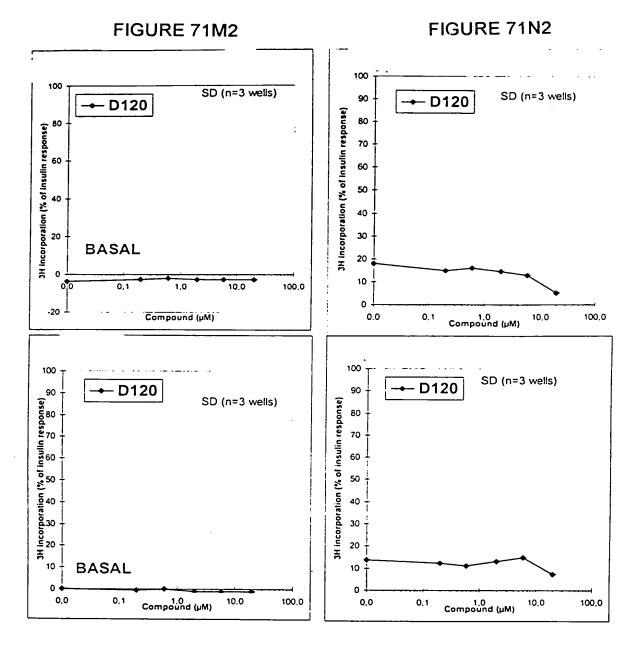


FIGURE 7102

FIGURE 71P2





FIGURE 71Q2

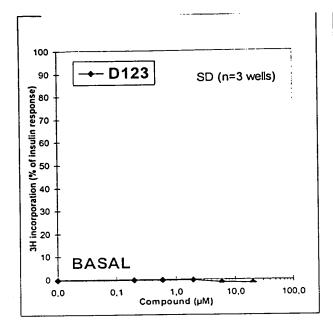
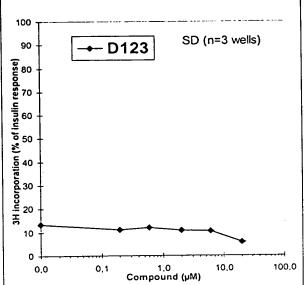


FIGURE 71R2



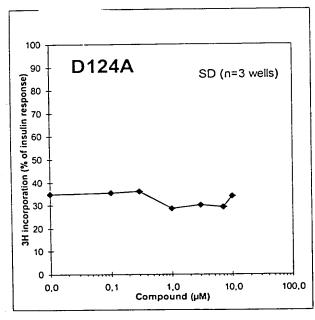


FIGURE 71S2





FIGURE 71T2

FIGURE 71U2

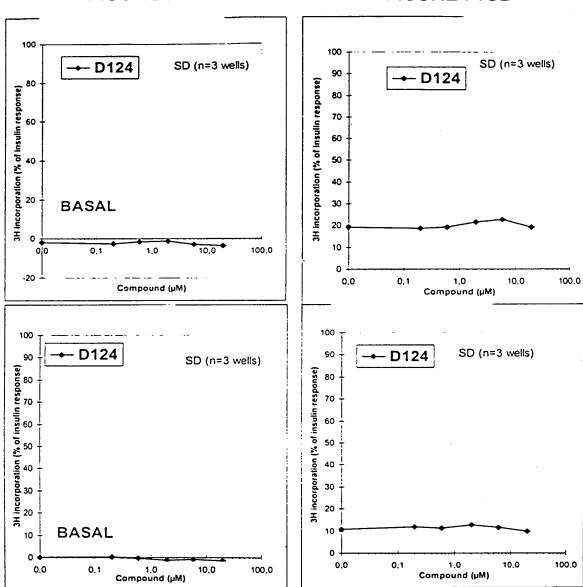


FIGURE 71V2

FIGURE 71W2

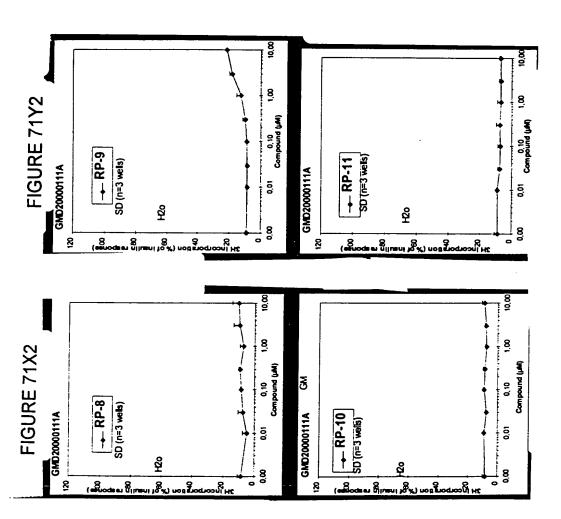


FIGURE 71Z2

FIGURE 71A3

S204 = Lig-GGGFHENFYDWFVRQVSKK

Linker 9 =

HIR binding = $1.2*10^{-6}$

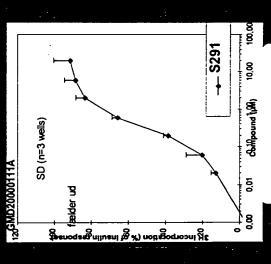


FIGURE 71B3

